

Harvard Fall Tournament X

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And with thanks to Will Holub-Moorman, MIT Quiz Bowl, and various playtesters



Round 13

Tossups

1. **One book by this thinker has a chapter titled “Debtor to the Ages and the World” that examines the concept of “on,” as well as another chapter about “proper station.” The “restraint” of the Pueblo and the “abandon” of the Great Plains are contrasted in a book by this thinker that defines (*) culture as “personality writ large.” This thinker used newspaper clippings to conduct “anthropology at a distance” and write a book that contrasts the shame and guilt cultures of two different countries. For 10 points, name this woman who wrote *Patterns of Culture*, in addition to contrasting the cultures of America and Japan in *The Chrysanthemum and the Sword*.**

ANSWER: Ruth Benedict

2. **The reductive workup step after ozonolysis employs the dimethyl compound of this element, while the Jones oxidation typically uses a solvent containing an acid of this element. A hydride of this element is the distinguishing compound in mercaptans. A single atom of this element is found in coenzyme A, and (*) cysteine frequently strengthens proteins by forming bridges with this element. This element present in thiols can be used to cross-link polymer chains in the vulcanization of rubber. For 10 points, name this element responsible for the strong smell of grapefruits, garlic, and rotten eggs that lies just below oxygen on the periodic table.**

ANSWER: sulfur (prompt on “S”)

3. **This man’s top general resigned after the Alejandrina Cox Incident. This leader’s ambassador to the United States, Orlando Letelier, was assassinated in Washington, D.C. on the orders of this man’s successor. Carlos Prats was assassinated by the (*) DINA after this man’s fall from power, and this man completed the nationalization of his country’s copper industry. This man supposedly killed himself inside of La Moneda Palace after a successful coup in 1973 that was aided by the CIA. For 10 points, name this democratically-elected Marxist President of Chile who was overthrown in a coup by Augusto Pinochet.**

ANSWER: Salvador (Guillermo) Allende (Gossens)

4. **A short story by this man describes a rationalist and an idealist serf and contrasts them with their idiot master, Polutyki; that story is “Khor and Kalinych.” In one of this man’s novels, a character duels Pavel over the servant-woman Fenichka, despite himself loving (*) Madame Odintsova, and then later dies of typhus after cutting himself during a dissection. Arkady returns home from the University of Petersburg in this man’s most famous novel with his friend Bazarov, who prominently abides by a nihilist philosophy. For 10 points, name this Russian author of *A Sportsman’s Sketches* and *Fathers and Sons*.**

ANSWER: Ivan (Sergeyevich) Turgenev

5. The Upanishads group this practice with *dama* and *daya*, and it is the first of the Buddhist perfections. Maimonides used eight levels to describe this practice, and it is called *Dāna* in Hinduism. This practice is at the center of the lesson of the widow's mite. The (*) *nisab* is a threshold for this practice, and in Judaism it is described by the term *tzedakah*, meaning "righteousness." One of the Five Pillars of Islam known as Zakat proscribes this practice, and the Christian tithe is a tax by the church originally meant to promote this practice. For 10 points, name this generous act that might happen when you see a collection plate.

ANSWER: charity (or alms-giving; or donation; accept any answer that generally describes freely giving resources away; accept Dāna, Zakat, tzedakah, or tithe before they are read)

6. Attacks on a marketplace in this country's capital were known as the Markale massacres. Operations Deny Flight and Deliberate Force occurred in this country. Hundreds were killed while crossing a street in this country's capital known as "Sniper Alley," and this city was the site of the longest (*) siege in modern times. The Srebrenica ["SRAIB-reh-NEET-suh"] Massacre led to the death of thousands of Muslims in this country, and it was the main site of a conflict involving Radko Mladić ["muh-lah-ditch"] and Slobodan Milošević ["mih-LAH-suh-vitch"] that was ultimately ended by the Dayton Accords. For 10 points, name this country where ethnically Serb forces launched a years-long siege of Sarajevo.

ANSWER: Republic of Bosnia and Herzegovina (do not accept or prompt on "Yugoslavia")

7. In number theory, residues described by this adjective are either zero or one mod three or four. Points in the complex plane that do not diverge under iteration of a function of this type compose the Mandelbrot set. A theorem known as this type of reciprocity was proved multiple times by Gauss. Graphs of equations of this type can be specified by a (*) focus and a directrix. Solutions to equations of this type depend on a discriminant that appears in their namesake formula; that formula is derived by completing the square. Parabolas are graphs of equations of this type. For 10 points, name this adjective applied to polynomials of order two.

ANSWER: quadratic (accept quadratic form, mean, residue, polynomial, etc.; prompt on "parabola," "ellipse," or "hyperbola"; prompt on "degree two" or "order two")

8. Males of the genus *Antechinus* within this group of organisms breed so aggressively that they all die at the end of the breeding season. In this group of organisms, X-chromosome inactivation is paternally linked. Members of this infraclass live in namesake "lawns," and these descendants of the metatherians are typically grouped with (*) monotremes and placentals. Species in this infraclass include bilbies, bandicoots, wallabies, and the Tasmanian devil, and the joeys, or infants, of this infraclass are carried in specialized pouches. For 10 points, name this infraclass of mammals exemplified by koalas and kangaroos.

ANSWER: marsupials (or Marsupialia; do not accept or prompt on "kangaroos" as that is not an infraclass; prompt on "mammals" or "*Mammalia*" before "infraclass" is read; prompt on "metatherians" or "*Metatheria*")

9. One solar deity from this modern day country was awakened by a whistle before producing life wherever she walked. Yhi is from this modern day country in which Nabunum the eel made Tiddalik the frog laugh and cough up all the water he swallowed. A cryptid from this country is also known as (*) Yowie, while another cryptid has a name from the indigenous for "devil." The bunyip is a mythical creature in this country whose primary myths tell of the Rainbow Serpent and the Dreamtime. For 10 points, name this country where Uluru, also known as Ayers Rock, is revered by the indigenous Aborigine people.

ANSWER: Australia

10. The narrator of this novel notices a “1500” carved in a stone above the main door of this novel’s central setting. One character in this novel describes her lover by saying “he’s more myself than I am,” but chooses to marry a character she first met after being injured by a dog. (*) Edgar Linton acts as a foil to a character in this novel who takes over Thrushcross; that character is called a “dark-skinned gypsy” and was found in a Liverpool orphanage. This novel is narrated by Mr. Lockwood and Nelly Dean. For 10 points, name this work centering on the tragic romance between Catherine Earnshaw and Heathcliff, a novel by Emily Brontë.

ANSWER: Wuthering Heights

11. The protagonist of one film set during this period teaches his students English phrases like “let’s groove” and “slip me some skin.” Michael Cimino won Best Director for a film about this event, and Walter Sobchak delivers a eulogy that turns into a rant about this event in *The Big Lebowski*. (*) *Good Morning, [this event]* titles a Robin Williams comedy, and *The Deer Hunter* demonstrated the effects of this event. Forrest Gump meets the shrimp fisherman Bubba during this war, and R. Lee Ermey played a sadistic drill sergeant during this conflict. For 10 points, name this setting of *Full Metal Jacket* and war in which Rambo participated.

ANSWER: Vietnam War (accept Nam; accept Second Indochina War; anti-prompt [ask for less specificity] on specific parts of the Vietnam war, e.g. “Tet Offensive” or “Battle of Khe Sanh”)

12. In quantum mechanics, the operator corresponding to this observable can be written as i times \hbar times a gradient with respect to momentum. Parity transformations change the sign of this quantity for all particles in a system. The canonical description of phase space is the space of all possible values of (*) momentum and this quantity, and one formulation of Newton’s second law gives force as equal to mv times dv over d (this quantity). Work is defined as the line integral of force with respect to this quantity. The derivative of this quantity with respect to time is velocity. For 10 points, name this quantity symbolized x whose vector change is the displacement.

ANSWER: position (accept displacement before read; accept coordinate, prompt on “distance”)

13. A person of this sort wrote an editorial stating “I want to talk about my pain,” and people of this sort confronted Tim Tai. An official “List of Demands” was released by a group of these people named after the word “Concerned” and the year (*) 1950, and a boycott by a group of these people led Tim Wolfe to resign. A video shows Nicholas Christakis being criticized by a person of this sort after Christakis’s wife sent an email discussing Halloween costumes, and people of this sort have prominently discussed the concept of “safe spaces.” For 10 points, name these people who attend institutions such as Mizzou and Yale.

ANSWER: university students (or college students; accept more specific groupings like or black students or African-American students, but prompt if “student” is not said; accept football players after “Tim Wolfe” is read)

14. A congressman named Ignatius Donnelly proposed that Biela’s Comet caused a series of these events in the Midwest on October 7, 1871, including the deadliest-ever American one in Peshtigo, Wisconsin. Joseph Medill was elected mayor after one of these events; that event led to the attempted expansion of (*) “limits.” Max Blanck and Isaac Harris escaped prosecution for one of these events investigated by Frances Perkins in which victims were trapped behind locked doors at the Triangle Shirtwaist Factory. Catherine O’Leary and her cow may have been partly responsible for, for 10 points, the “Great Chicago” example of what disasters?

ANSWER: fires (accept equivalents like conflagrations)

15. Symbols of nudity in this painting include the black hat one figure holds in his left hand. Baron de Saint Julien originally intended Gabriel Doyen to be the creator of this work, which depicts a statue of a cherub with its finger to its lips. Two more stone cherubs look up at the central scene of this painting, while to the right, a shadowed man controls a pair of (*) ropes. A single shoe flies through this painting in the direction of a man hiding in the bushes and looking up the central figure's dress. For 10 points, name this Rococo masterpiece by Jean-Honoré Fragonard that depicts a pink-clad lady playing on the title contraption.

ANSWER: *The Swing* (or *L'Escarpolette*; accept *The Happy Accidents of the Swing*; accept *Les Hasards Hereux de l'escarpolette*)

16. Many of the writings of this literary movement were published in the magazine *The Crisis*, while a collection of short stories from this movement titled *Cane* was written by Jean Toomer. The poem "Yet Do I Marvel" and the novel "Banana Bottom" were respectively written by Countee ["Coun-tay"] Cullen and (*) Claude McKay, who were both members of this movement. A poet in this movement wrote about hearing a musician next to the "pale dull pallor of a gas light" on Lenox Avenue play "The Weary Blues" and asked "What happens to a dream deferred?" Langston Hughes spearheaded, for 10 points, what African-American literary movement?

ANSWER: Harlem Renaissance

17. One composer from this country wrote the *Capriol Suite*; that man's interest in the occult led him to change his surname to "Warlock." That man was a protégé of another composer from this country, whose *Two Pieces for Small Orchestra* includes "On Hearing the First Cuckoo in Spring." (*) Frederick Delius was a composer from this country, as was a composer whose "Theme" was adapted into a fantasia by yet another composer from this country; that last composer from this country composed *A Sea Symphony* and *The Lark Ascending*. For 10 points, name this home country of Thomas Tallis and Ralph ["RAYF"] Vaughan Williams.

ANSWER: United Kingdom of Great Britain and Northern Ireland (or UK; accept Great Britain; accept England since all composers mentioned are specifically English)

18. Conflict arose at this event over the fate of the town of Olivenza. Henry Kissinger's Harvard doctoral thesis was subtitled for two men at this event, one of whom had earlier dueled with George Canning. The neutrality of Switzerland was guaranteed at this event which occurred after the triumph of the (*) Sixth Coalition. This meeting led to the dissolution of the Duchy of Warsaw, and delegates to it included Lord Castlereagh and Charles Talleyrand. For 10 points, name this meeting convened by Klemens von Metternich that established the "Concert of Europe" in the wake of France's loss in the Napoleonic Wars.

ANSWER: Congress of Vienna

19. An immigrant from this country named Julius appears in the novel *Open City*. Teju Cole's parents are from this country, as is Chimamanda Adichie, who set her novel *Half of a Yellow Sun* during a civil war in this country. The modernized teacher Lakunle competes with the (*) older Baroka over the beautiful Sidi in *The Lion and the Jewel*, a play from this country. In a novel from this country, the Week of Peace is disturbed after Ikemefuna is shot by a man who later hangs himself, Okonkwo. For 10 points, name this home country of Wole Soyinka and the author of *Things Fall Apart*, Chinua Achebe.

ANSWER: Federal Republic of Nigeria

20. A pizzicato D represents one of these events at the end of *Till Eulenspiegel's* ["OY-len-SHPEE-gulls"] *Merry Pranks*, and one of these events centers on a man in a sombrero in a painting by Edouard Manet. A fortissimo chord followed by pizzicato notes depicts one of these events in the penultimate part of (*) Hector Berlioz' *Symphonie fantastique*. Eddie Adams photographed an impromptu one of these on the streets of Saigon. Goya painted a man with spread arms in the midst of one of these events on the *Third of May, 1808*, and Jacques-Louis David painted Socrates preparing to drink hemlock as a form of this type of event. For 10 points, name these judicially-sanctioned killings.

ANSWER: executions (accept word forms; accept equivalents; accept specific forms of execution; prompt on more general answers like "death" or "killing")

21. This metal and copper are used in Gilman reagents. August Arfwedson discovered this element while studying petalite ore, and stearates of the element can be used in a namesake grease. The aluminum hydride of this element is often used as a reducing agent. (*) Tritium can be generated by bombarding this element with neutrons, and like strontium, this element burns crimson in the flame test. An ion of this metal is used both to treat bipolar disorder and in namesake rechargeable batteries. For 10 points, name this metal with atomic number 3 and atomic symbol Li.

ANSWER: lithium (or Li before read)

Bonuses

1. Answer the following about American authors who didn't like each other very much, for 10 points each:

[10] William Faulkner and Ernest Hemingway quibbled over their conflicting artistic styles, with Faulkner claiming that Hemingway's writing never required his readers to use one of these items. An American example of this type of book was compiled by Noah Webster.

ANSWER: **dictionary**

[10] It's not clear whether Mark Twain's essay on the "Literary Offenses" of this writer was merely satire or not. Twain claimed this man's writing "accomplishes nothing and arrives nowhere," which may have held merit due to this man's five different *Leatherstocking Tales* about Natty Bumppo.

ANSWER: James Fenimore **Cooper**

[10] After Norman Mailer punched this author, this man quipped "Once again, words fail Norman Mailer." Best known for his wit and as a public intellectual, he also wrote the transgender-themed *Myra Breckinridge*.

ANSWER: Gore **Vidal**

2. A capital "H" is used to describe its broad-sense variety, while a lowercase "h" is used to describe its narrow-sense variety. For 10 points each:

[10] Name this statistical measure that quantifies the influence of individual genetic differences on the total phenotypic variation in a population.

ANSWER: **heritability**

[10] The genetic heritability of a particular trait can be calculated using this formula, which uses the differences in correlations between monozygotic twins and dizygotic twins.

ANSWER: **Falconer's formula**

[10] Twin studies show that the heritability of this neurodevelopmental disorder is around 0.7. A fraudulent 1998 research paper published in the *Lancet* suggested that the MMR vaccine is linked to this disorder.

ANSWER: **autism** (accept **autism** spectrum disorders)

3. Answer the following about archaeological sites in Great Britain, for 10 points each:

[10] Great Britain's most famous archaeological site is this assortment of giant stone monoliths in Wiltshire. The arrangement of this location is aligned with the sunrise of the summer solstice.

ANSWER: **Stonehenge**

[10] This other site consists of an assortment of Anglo-Saxon burial mounds. Artifacts discovered here include a Swedish-style helmet, as well as Byzantine craftworks.

ANSWER: **Sutton Hoo**

[10] The most notable feature of Sutton Hoo is a burial chamber made out of one of these items. Traditional Viking funerals involved using these items as the grave containers.

ANSWER: **longboats** (or **ships**)

4. Touchscreen technology is pretty cool! For 10 points each:

[10] A grid of these components are often used for multi-touch technology. Leyden jars are an old school type of these charge-holding circuitry parts.

ANSWER: **capacitors** (accept **condenser**)

[10] Fingerprint scanners treat the epidermal layer of the skin as one of these materials. These materials are polarized by electric fields, and their usage in capacitors increases the capacitance.

ANSWER: **dielectrics** (prompt on **insulators**)

[10] These materials have a spontaneous electric polarization in the absence of an applied electric field, and can reverse polarization in the presence of applied fields. Examples include piezoelectric materials like barium titanate.

ANSWER: **ferroelectric** materials

5. Answer these questions about mountains in the book of Exodus. For 10 points each:

[10] According to Exodus, this is the mountain on which Moses receives the Ten Commandments. Deuteronomy states the peak in question is Mount Horeb instead of this one.

ANSWER: Mount Sinai (do not accept or prompt on "Horeb")

[10] Meanwhile, Exodus claims that Mount Horeb is where this event occurs, which is promptly followed by the revelation of the phrase "I am that I am" and the turning of Moses's staff into a snake.

ANSWER: Moses encountering the Burning Bush (prompt on things like "God (and variants) speaking to Moses")

[10] This is the mountain on which Moses dies. At God's command, he ascends the mountain and watches the Israelites enter Canaan.

ANSWER: Mount Nebo

6. The overture to one of this man's operas was prominently featured in Stanley Kubrick's *A Clockwork Orange*. For 10 points each:

[10] Name this Italian composer known for operas like the *Thieving Magpie*, *The Barber of Seville*, and *William Tell*.

ANSWER: Gioachino Rossini

[10] This is the title character of *The Barber of Seville*. In the aria "Largo al factotum" he repeatedly sings his own name.

ANSWER: Figaro

[10] Rossini's operas typically featured this singing style, which means "beautiful song" in Italian. Other composers who featured this style of singing include Vincenzo Bellini.

ANSWER: bel canto

7. Answer the following questions about 20th century Asian dictators, for 10 points each:

[10] This leader of the Khmer Rouge ruled as dictator of Cambodia between 1976 and 1979. His agrarian socialist policies and political purges killed over a million of his own people.

ANSWER: Pol Pot (accept Saloth Sar)

[10] Dictators from this nation instituted policies such as "guided democracy" and the "New Order." Even today, the legacies of Sukarno and Suharto are widely debated among the people of this nation.

ANSWER: Republic of Indonesia

[10] This authoritarian president of South Korea oversaw his country's rapid economic development at the expense of human rights. He was assassinated by the director of the Korean Central Intelligence Agency in 1979.

ANSWER: Park Chung-hee (prompt on "Park")

8. This man refuted Locke in his *New Essays on Human Understanding*. For 10 points each:

[10] Name this German mathematician and philosopher. In addition to write the books *Théodicée* and *Monadology*, he invented calculus independently of Isaac Newton.

ANSWER: Gottfried Wilhelm Leibniz

[10] Leibniz attempted to resolve the problem of evil in *Théodicée* by claiming the world has this characteristic. This belief can also be called optimism, and it was parodied in *Candide*.

ANSWER: the best of all possible worlds (answer must be or contain exact phrase)

[10] In *Monadology*, Leibniz resolved the mind-body problem by claiming that the universe consists of monads which were created by God with this principle. Under this principle, causality has been determined ahead of time by God.

ANSWER: pre-established harmony

9. Answer the following about a certain government's predilection for a certain time of day, for 10 points each:

[10] The Night and Fog decree was used in this country to "disappear" political opponents without informing their family or friends. Robert H. Jackson referred to the directive's name as "a little ghoulis."

ANSWER: Nazi **Germany** (accept **Deutschland**; accept the **Third Reich**)

[10] Ernst Röhm, the leader of this paramilitary group, was killed on Hitler's orders in the Night of the Long Knives. Don't confuse this group with a similarly named paramilitary group led by Benito Mussolini.

ANSWER: **SA** (accept **Sturmabteilung**; accept **Brownshirts**)

[10] Businesses owned by these people were targeted in the Night of Broken Glass, or *Kristallnacht*. Members of this ethnicity were exterminated as part of the Nazis' "Final Solution."

ANSWER: **Jews** (accept word forms)

10. According to a popular story, Grace Hopper referred to removing a moth by this term. For 10 points each:

[10] Name this task in which a machine or program is closely examined to find and fix unexpected behavior.

ANSWER: **debugging** (accept word forms)

[10] A typical method of debugging a program involves inserting these items into the code. These points effectively pause the code when a program hits them, allowing the programmer to step into the program at a particular moment.

ANSWER: **breakpoints**

[10] Once the programmer has stepped in, they can examine this list of subroutines that the program has called and is executing. This term also names the region of computer memory for local and temporary variables.

ANSWER: call **stack** (accept anything mentions **stack**, basically)

11. Name some deities related to the Roman home, for 10 points each:

[10] This goddess of the hearth was the Roman equivalent of Hestia. Her namesake "virgins" served for thirty years and were buried alive for being discovered to be...not virgins.

ANSWER: **Vesta**

[10] This two-faced god presided over the doorways, passages, and thresholds of the home. A temple dedicated to this god had its doors closed in peacetime.

ANSWER: **Janus**

[10] Roman boys would place their first beards in possession of these familial household gods. These minor deities apparently had their origin as replacements for child sacrifices.

ANSWER: **Lares**

12. Name these short works by Franz Kafka, for 10 points each:

[10] In this novella Gregor Samsa turns into a giant "vermin" and dies after his father throws an apple at him.

ANSWER: *The **Metamorphosis***

[10] In this short story, the Officer shows an unnamed narrator a execution machine, which inscribes *Be Just* on the victim's skin. The Officer demonstrates the machine on himself, but it malfunctions and impales the Officer.

ANSWER: "**In the Penal Colony**"

[10] The title character of this story is a circus performer who locks himself in a cage and fasts for 40 days. That title character ultimately dies and is replaced by a panther.

ANSWER: "The **Hunger Artist**"

13. Despite earning a Nobel Prize in Chemistry for his most famous achievement, this chemist was also instrumental in developing chlorine gas for chemical warfare. For 10 points each:

[10] Name this chemist who developed a namesake cycle to calculate lattice energies of ionic compounds with Max Born, as well as developing a process also named for Carl Bosch.

ANSWER: Fritz **Haber**

[10] The Haber-Bosch process is used to synthesize this nitrogen compound, extremely valuable for its use as a fertilizer, as well as a household cleaner and in rocket fuel.

ANSWER: **ammonia** (or **azane**; prompt on “NH₃”)

[10] While iron catalysts are typically used in the Haber-Bosch process, catalysts based on this element can reduce the high energy requirements for ammonia production. This element occurs directly below iron on the periodic table.

ANSWER: **ruthenium** (prompt on “Ru”)

14. A technique commonly used to enhance the realism of these types of paintings is known as *trompe-l'œil* [“tromp loy”]. For 10 points each:

[10] Name this genre of painting known as “dead nature” in Spanish. Frequently used by people learning to paint, it usually involves the depiction of plants, food, and other inanimate objects.

ANSWER: **still-life** (prompt on “naturaleza muerta”)

[10] This Spanish follower of Caravaggio was noted for his still-lives, which included ones *with Pottery Jars* and *with Oranges, Lemons, and a Rose*. He also painted *The Martyrdom of Saint Serapion*.

ANSWER: Francisco de **Zurbarán**

[10] Zurbarán also painted a self-portrait of himself looking up at this figure, whom El Greco depicted about to be relieved of a red robe in his *The Disrobing of [this man]*.

ANSWER: **Jesus Christ** (accept either underlined part)

15. One character in this book kills his siblings and himself, then leaves a note saying, “Done because we are too menny.” For 10 points each:

[10] Name this book, whose title character marries his cousin, who had previously been wed to a schoolteacher named Mr. Phillotson.

ANSWER: ***Jude the Obscure***

[10] *Jude the Obscure* is set in Wessex, a fictional region created this British author. Wessex is also the setting for this author’s *Tess of the d’Urbervilles*.

ANSWER: Thomas **Hardy**

[10] This other Hardy novel takes its title from Thomas Gray’s “Elegy Written in a Country Churchyard.” It features a love quadrilateral comprised of Gabriel Oak, William Boldwood, Francis Troy, and Bathsheba Everdene.

ANSWER: ***Far from the Madding Crowd***

16. The hilariously poorly written book *English As She Is Spoke* is meant to be a conversational translation book between this language and English. For 10 points each:

[10] Name this language of the author José Saramago, who used it to write a novel about the Doctor’s Wife and a mysterious plague in *Blindness*.

ANSWER: **Portuguese** (accept word forms)

[10] Other authors writing in Portuguese included the author of *The Posthumous Affairs of Bras Cubas*, Machado de Assis, and the author of *The Alchemist*, Paulo Coelho. Both of those authors were from this South American country.

ANSWER: **Brazil** (or Federative Republic of **Brazil**)

[10] This national epic of Portugal by Luís Vaz de Camões [“ca-MOYNS”] centers on the travels of Vasco da Gama and his encounters with mythical beasts like the demigod Adamastor.

ANSWER: *The **Lusiads*** (or *Os **Lusiadas***)

17. Two of Beethoven's piano trios feature the violin replaced by this instrument. For 10 points each:

[10] Name this single-reed instrument that can be tuned to either B-flat or A. Mozart dedicated a concerto for this instrument to Anton Stadler.

ANSWER: **clarinet**

[10] A long clarinet glissando opens this George Gershwin work for piano and orchestra. It was inspired by a train ride to Boston.

ANSWER: **Rhapsody in Blue**

[10] This composer wrote a concertino in E-flat major as well as two concertos for the clarinet. His other works include *Der Freischutz*.

ANSWER: Carl Maria von **Weber**

18. One restaurant in this city has an infamously strict "no ketchup" policy. For 10 points each:

[10] Name this city where Louis' Lunch claims to be the birthplace of the hamburger. The invention of the Frisbee is usually credited to pie tin-throwing college students in this city.

ANSWER: **New Haven, Connecticut**

[10] New Haven is home to several restaurants famous for serving this food, including Frank Pepe's, which makes a version of this food with clams. Other American restaurants specializing in this dish include Grimaldi's and Giordano's.

ANSWER: **pizza**

[10] This celebrity characterized deep-dish pizza as an "above ground marinara swimming pool for rats." In September 2015, he was replaced by Trevor Noah as host of *The Daily Show*.

ANSWER: Jon **Stewart** (accept Jonathan Stuart **Leibowitz**)

19. Hawaii's strategic location in the central Pacific makes it ideal for military bases. For 10 points each:

[10] Marine Corps Base Hawai'i is located on the Mokapu Peninsula of this most populous island of the Hawaiian chain.

ANSWER: **Oahu**

[10] This body of water west of Honolulu is a base for the US Navy. It was bombed by the Japanese on "a date which will live in infamy," December 7, 1941.

ANSWER: **Pearl Harbor**

[10] A pre-annexation military facility in downtown Honolulu is the royal guard barracks affiliated with this palace of the Kalakaua dynasty. In its American Florentine style grandeur, this building is the only former official royal residence in the U.S.

ANSWER: **'Iolani Palace**

20. According to a story in the *New York Times*, this politician was caught seducing the Governor of Rhode Island's wife, after which the governor chased him out of his house with a musket. For 10 points each:

[10] Name this 19th-century senator from New York. He led the Stalwart faction of the Republican Party against James G. Blaine's Half-Breeds.

ANSWER: Roscoe **Conkling**

[10] Conkling was implicated in this 1872 scandal in which Union Pacific basically hired itself to build the transcontinental railroad. Shares in the namesake fake company were then sold to influential congressmen.

ANSWER: **Crédit Mobilier** of America scandal

[10] News of the Crédit Mobilier scandal broke during the reelection campaign of this president. He had earlier accepted Robert E. Lee's surrender at Appomattox Courthouse.

ANSWER: Ulysses (Simpson) **Grant** (accept Hiram Ulysses **Grant**)

21. There are over 7,000 definitions for “triangle center” on Clark Kimberling’s online “Encyclopedia of Triangle Centers.” For 10 points each:

[10] The very first center listed on the encyclopedia is the incenter, which occurs at the intersection of these lines that divide the angles of the triangles in half.

ANSWER: angle **bisector**

[10] The second center listed is this one, which occurs at the intersection of the triangle’s medians. This center also serves as the center of mass of the triangle.

ANSWER: **centroid** (prompt on “barycenter”)

[10] Meanwhile, centers 359 and 360 are named after this man, who more famously discussed Gödel’s incompleteness theorem in *Gödel, Escher, Bach*.

ANSWER: Douglas **Hofstadter**