FACTS
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PACKET 08
Editors 4 (TJ + CSW)

TOSSUPS

1. **One side in this agreement accepted a less than satisfactory compensation due to the fact that they borrowed money from the Rothschilds and could not afford to pay back the loan. Eduard de Stoeckl was the representative of one side of this agreement and a formal ceremony for this event was conducted at New (*)** Archangel. One of the motives behind it was isolating British Columbia. This event was often known domestically as "Seward's Folly". For 10 points, name this event that allowed the United States to annex its northernmost territory.
ANSWER: **Alaska Purchase** [accept **Seward's Folly** before mention; accept anything indicating that the US gained possession of Alaska]

2. **He's not James Harden, but Lil B dissed and cast a curse on this athlete for trivializing his music. Under Rick Barnes, this man became the first college freshman to win the John R. Wooden award. After his 2013-2014 MVP season, this athlete was turned into a meme after dubbing his mother, Wanda, (*)** "the real MVP." A *Players Tribune* article titled "My Next Chapter" revealed this man's notorious transfer to the Golden State Warriors after his team blew a 3-1 lead in the 2016 NBA Western Conference Finals. For 10 points, name this former small-forward for the Oklahoma City Thunder.
ANSWER: Kevin **Durant [**accept **KD]**

3. **In one battle, this man confronted the enemy directly and then used a small force, commanded by Mago, to go behind the enemy and attack their rear. That tactic was used at the Battle of the Trebia. In another battle, this man formed a pocket around Flaminius's army and annihilated it by setting up an ambush near a lake. That battle resulted in the election of (*)** Quintus Fabius Maximus as dictator. The Romans broke their ranks and blasted trumpets to frighten this man's war elephants at the Battle of Zama, resulting in the defeat of this brother of Hasdrubal. For 10 points, name this Carthaginian military leader in the Second Punic War.
ANSWER: **Hannibal** Barca [prompt on "Barca"]

4. **This character travels through Chicago, Buffalo, and Ireland in pursuit of a German spy, Von Bork. In another work, this man learns the story of agent Birdy Edwards and how he brought the Vermissa Valley gang to justice. In another story, this man tracks down ex-KKK members (*)** and accuses the crew of the *Lone Star* of murder. That story, the "Five Orange Pips," can be found along with others in the book titled for the adventures of this man. Another story in that collection, "A Scandal in Bohemia," sees this character meet a possible romantic interest, Irene Adler. For 10 points, name detective created by Sir Arthur Conan Doyle.
ANSWER: **Sherlock** **Holmes** [accept either underlined part]

5. **An artist with this surname composed and played the harp on the album *Ptah, The El Daoud,* and adopted the Sanskrit name Turiya. Another artist with this surname collaborated with Duke Ellington on the song "In a Sentimental Mood." A gong opens the first part of a seminal post-bop album by an artist with this last name; that album is (*)** *A Love Supreme*. That same artist with this last name recorded a modal jazz cover of a song from *The Sound of Music*, "My Favorite Things". A five chord progression opens the track *Giant Steps* by a saxophonist with this surname. For 10 points, give this surname shared by jazz musicians Alice and John.
ANSWER: **Coltrane** [accept Alice **Coltrane** or John **Coltrane**]

6. **Either side of this object is engraved with the phrases "take me up" and "cast me away." Accolon uses this item against its owner, who fights back with a copy of it. Its companion piece prevents death from blood loss. A hand reaches out of a pool of water to catch this object when it is discarded. It replaces another object destroyed by (*)** Pellinore. After a battle at Camlann, its owner ordered Bedevere to dispose of it. This weapon was first gifted alongside its magic scabbard by Nimue, or the Lady of The Lake. For 10 points, name this powerful sword used against Mordred following the breaking of the Sword in the Stone, wielded by King Arthur.
ANSWER: **Excalibur** [or **Caliburn**]

7. **Robertson names a generalization to this statement that applies to general self-adjoint operators. In a modification of this statement, energy and time replace two quantities in one side of an inequality. This statement's namesake created a thought experiment involving a (*)** gamma-ray microscope, and this statement is a consequence of two quantities having a non-zero commutator. This statement can be stated as an inequality involving h-bar over two. For 10 points, give this principle, which states that it is impossible to measure a particle's momentum and position simultaneously with complete confidence.
ANSWER: Heisenberg's **uncertainty principle**

8. **One book written in this language sees the Party-supporting Ludvik attempt to seduce the married Helena. Another book in this language is interrupted by a mock-academic account of the "Sex Lives" of the titular creatures, which were discovered on an island in the vicinity of Sumatra. This language (*)** was used to write a work in which one character believes that Marius and Sulla were lovers and Rossum disastrously attempts to create robots. Used by the author of *R.U.R*, for 10 points, name this language of Karel Capek [CHA-peck] and playwright Vaclav Havel, the latter of whom became the first president of a country with the capital Prague.
ANSWER: **Czech** [accept **Bohemian**]

9. **In one of this author's novels, Patient 23 visits a world of water demons who wear saucers on their head. This student of Natsume Soseki wrote a story in which Zenchi Naigu's disciple stomps on him to shrink a certain appendage. In another of his stories, a thief takes the robes of an old woman who steals (*)** corpse hair near the title gate. In another story, the sinner Kandata fails to climb out of hell by climbing on a spider's thread. This author of *Kappa* wrote about seven different accounts of a samurai's death in a bamboo thicket. For 10 points, name this "Father of the Japanese short story" who wrote "The Nose", "Rashomon," and "In a Grove."
ANSWER: Ryunosuke **Akutagawa** [accept names in either order]

10. *NOTE TO MODERATOR: read over the acceptable answer lines carefully.* **In adjective form, this term describes a process that accelerates the destruction of the "aura" of works of art according to Walter Benjamin** [BEN-yah-meen]**. The proposal of "animal spirits" which can stimulate the pineal gland allows for the analogy of the human body to one of these things, as was criticized in *The Concept of Mind*. They were analogized to a man in a closed room who uses a dictionary to create (*)** translations in an argument by John Searle [SURL]. Gilbert Ryle parodied Cartesian dualism with the phrase "ghost in [this thing]." Descartes dismissed the idea that animals have souls, instead proposing that animals are basically these things. For 10 points, name these things which could possibly display artificial intelligence.
ANSWER: **machine**s [or **computer**s or **automata** or **automaton**(s) or **robot**s and clear-knowledge equivalents; accept word forms like **mechanical**; accept **mechanism**; specifically accept *The Work of Art in the Age of **Mechanical** Reproduction* and "ghost in the **machine**"] (the second sentence comes from Rene Descartes' *The Passions of the Soul*) <Philosophy>

11. **One of these organisms encodes DNA using modified hydroxylated and methylated cytosines. A controversial mechanism for studying genes by Seymour Benzer focuses on rI and rII strains of genes in these organisms, which he called "cistrons". A central process in one of these organisms involves the binding of the J protein to the maltose operon of another organism, and the Q protein can initiate (*)** antitermination in their lambda type. These viruses were tagged with sulfur-35 and phosphorus-32 to find the material which carried genetic information in the Hershey-Chase experiment. For 10 points, name these viruses that infect bacteria.
ANSWER: **bacteriophage**s [or **phage**s; prompt on "viruses"]

12. **This man's biggest rival was Charles James Fox, whose father was the main rival of this man's father as well. This man tried to emancipate Catholics in his country, but was denied by his king. That attempt was mostly due to this man's (*)** Acts of Union 1800, which merged the United Kingdom and Ireland into a single nation, leading to a greatly increased Catholic population. At only 24 years old, he was the youngest British PM to take office ever, and had to deal with George III's mental problems. For 10 points, name this British Prime Minister who led Great Britain during the French Revolution and the early Napoleonic Wars, the son of another Prime Minister of the same name.
ANSWER: William **Pitt the Younger** [prompt on "William Pitt"; do not accept or prompt on "William Pitt the Elder"]

13. **A country home to the headquarters of the BIMSTEC organization filed a complaint to the UN on its larger neighbor on water diversion of the Farakka Barrage of this river. This river's endangered river dolphin was elected to be the city animal of the city of Guwahati . (*)** The two principal distributaries of this river, the Hooghly and the Padma, diverge at the central panhandle of West Bengal**. The Sundarbans is a natural region located at the mouths of this river and is the primary home to the national animal of Bangladesh**. For 10 points, name this river whose drainage basins include most of Nepal and Northern India and is the most sacred river to Hindus.
ANSWER: **Ganges** River [accept **Ganga**]

14. **One painting by this artist depicts a young tiger playing with its mother and was influenced by Rubens' painting *Tiger Hunt*. Another of this artist's paintings shows a man attempting to eat his right hand below the central figure and his guide, who are sailing from the City of the Dead; that painting is *The Barque of Dante*. The most famous painting by this artist features a corpse wearing a (*)** blue sock, in contrast to the barefoot central figure; that central figure stands between a man with a top hat and a musket and a boy wielding two pistols. A woman holding the French Flag triumphantly above a pyramid of corpses and soldiers appears in--for 10 points--what artist's *Liberty Leading the People*?
Answer: Eugéne **Delacroix** [or Ferdinand Victor Eugéne **Delacroix**]

15. **The total differential of this quantity is T dS plus V dP. One form of this quantity can be calculated by the Born–Mayer equation. In the Joule–Thomson effect, where an ideal gas is forced through a plug, this quantity remains constant. (*)** Hess's law states that this quantity is a state function, which means that this quantity is independent of path for a given reaction. The standard apparatus for measuring this quantity is the adiabatic calorimeter. For 10 points, lattice energy is an example of what thermodynamic quantity equal to internal energy plus pressure times volume, denoted H.
ANSWER: __enthalpy__ [prompt on "lattice energy"]

16. **This poet is the dedicatee of an Elizabeth Bishop work, *The Armadillo*. This poet returned the dedication with a poem whose central object is "propped by a plank" and "sticks like a fishbone in the city's throat". That poem begins "The old South Boston Aquarium stands in a Sahara of snow now". (*)** Another work by this poet laments "we've lost our summer millionaire, who seemed to leap from an L. L. Bean catalogue. The titular character "jabs her wedge head in a cup of sour cream" and "will not scare" in this poet's most famous work. *For the Union Dead* and *Skunk Hour* were written by, for ten points, this confessional poet.
ANSWER: Robert __Lowell__

17. **If both 'n' and '2n+1' belong to this class of numbers, then 'n' is considered a Sophie Germain type. If 'n' is one of these numbers, then any integer raised to the power of 'n' is congruent to itself mod 'n'. By crossing out successive arithmetic sequences of natural numbers, (*)** Eratosthenes was able to find these numbers via his namesake sieve. According to the fundamental theorem of arithmetic, all natural numbers greater than one can be expressed as a unique product of these numbers, known as these numbers' namesake factorization. For 10 points, name these numbers, including 2, 3, 5, and 7, which are divisible only by one and themselves.
ANSWER: __prime__ numbers [or __primes__]

18. **Emily Hobhouse was a prominent critic of atrocities during this war, and a system of blockhouses connected by telegraph wires was established to counter guerrilla activity in this war. One event cited as a casus belli for this war was led by Leander Starr Jameson; Jan Smuts called that event "the real declaration of war". Many concentration camps (*)** were set up during this war by Lord Kitchener, who also advocated for the use of scorched-earth tactics. Prominent battles during this conflict include the siege at Mafeking and Kimberley, and this conflict was ended by the treaty of Vereeniging. For 10 points, name this war fought between the British and a Dutch group in South Africa.
ANSWER: __Second Boer War__ [prompt on "Boer War"]

19. **He's not Tchaikovsky, but a dotted viola rhythm in 6/8 ["six eight"] opens this composer's E minor *Serenade for Strings*. According to Michael Kennedy, this composer's trademark *nobilmente* direction first occurs in his *Cockaigne Overture*. This composer used woodwinds to parody Dora Penny's stutter and depicted his wife Caroline in a piece that includes a movement titled for his publisher (*)** Augustus Jaeger. A 1965 recording by Jacqueline du Pré revived this composer's Cello Concerto in E minor. The song "Land of Hope and Glory" is based on this man's most famous piece, traditionally performed at graduations. For 10 points, name this British composer of the *Enigma Variations* and the *Pomp and Circumstance Marches*.
ANSWER: (Sir) Edward (William) __Elgar__

20. *WARNING: read over acceptable answers before proceeding.* **These people might undergo a waiting period called *iddah*. The "verse of obedience" appears in the fourth sura, which is named for these people. These people are often paid a *mahr*. A contract with one of them can be broken by repeating "talaq" three times. Verse 182 of surah 2 implies that the (*)** testimony offered by these people is worth half as much as normal. The Chief Black Eunuch guarded an Ottoman group composed entirely of these people. Work promoting the education of these people gained Malala Yousafzai a Nobel Peace Prize. For 10 points, name this set of people who, in Islamic cultures, typically wear burqas or hijabs.
ANSWER: (Muslim) **women** [or **wives**; prompt on "spouse(s)" by asking for a gender; accept reasonable equivalents such as **female**s; accept (Surah) An-**Nisa**]

TB. **This country was the site of a failed Scottish colonization effort called "New Caledonia", and this country's second largest city was named for Christopher Columbus, who visited it during his fourth voyage. This country's Chagres River is dammed to form its Gatun Lake. Landforms including the Cucaracha Cut impeded a major infrastructure (*)** project in this country, and this country contains the only interruption to the Pan-American Highway in its Darien Gap. A zone of territory formerly belonging to the US was ceded to this country in the Carter-Torrijos Treaty. For 10 points, name this country home to a canal that connects the Atlantic and Pacific oceans.
ANSWER: **Panama**

BONUSES

1. Thomas Piketty advocated for a progressive wealth tax to correct for this phenomenon in his book *Capital in the Twenty-First Century*. For 10 points each:
[10] Name this phenomenon measured by the Gini coefficient, the gap between the richest and poorest segments of the population in an area.
ANSWER: (income) **inequality** [or wealth **inequality**]
[10] Jean-Jacques Rousseau's *Discourse on Inequality* links the establishment of civil society and the subsequent emergence of income inequality to the creation of this concept, which is subject to the Lockean proviso. John Locke argued society existed to protect this thing, which he equated with one's "life, liberty, and estate."
ANSWER: private **property** [prompt on "ownership"; prompt on "land" or "land ownership"]
[10] This welfare economist noted that rising food prices rather than food shortage caused many famines, arguing "capability deprivation" was a bigger factor than just income inequality in his *Poverty and Famines*.
ANSWER: Amartya **Sen** <Social Science>

2. In one of this man's compositions, he used an oboe to depict a duck and a clarinet to depict a cat. For 10 points each:
[10] Name this Russian composer of *Peter and the Wolf* and the ballet *Cinderella*.
ANSWER: Sergei (Sergeyevich) **Prokofiev**
[10] Prokofiev included a notable "Troika" in his score for this 1934 Aleksandr Faintsimmer film, in which a slip of the pen by an army clerk leads to the creation of the titular nonexistent army officer, who is then rapidly promoted by Tsar Paul I.
ANSWER: *Lieutenant Kije* [accept *The Czar Wants to Sleep*]
[10] In this ballet, Prokofiev included the "Dance of the Knights" and quoted a theme from his *Classical Symphony* to depict guests departing from a ball.
ANSWER: *Romeo and Juliet*

3. Answer the following about colorful biology, for 10 points each:
[10] A DAPI stain tints the nucleus of a cell this color. Potassium ferric hexacyanoferrate, a dye of this color, is used as medication to treat thallium poisoning or radioactive cesium poisoning.
ANSWER: **blue** [accept colors close to **dark blue** or **purple**]
[10] Population explosions of these protists can turn tidewater red. The red color of these organisms is explained by secondary endosymbiosis with red algae.
ANSWER: **dinoflagellates**
[10] This pigment is responsible for the green color in chloroplasts.
ANSWER: **chlorophyll**

4. According to this character, even "when you know you're licked before you begin...you begin anyway and see it through no matter what." For 10 points each:
[10] Name this Maycomb County lawyer and the father of Scout and Jem. He takes his own advice and defends the falsely accused Tom Robinson against the Ewells.
ANSWER: **Atticus** **Finch** [accept either]
[10] This daughter of the town drunk Bob Ewell accuses Tom of rape. She charges Tom for beating her after she makes advances on him, but Atticus notes that only the left-handed Bob could have left bruises on her right side.
ANSWER: **Mayella** Ewell
[10] This novel by Harper Lee features the aforementioned characters as well as the reclusive "Boo" Radley.
ANSWER: *To Kill a Mockingbird*

5. Answer the following about some very old music, for 10 points each:
[10] The earliest attributable work in this genre was written by de Machaut in the 14th century. A full setting of one of these liturgical works uses the Kyrie ["CURIE-ay"], Gloria, Credo, Sanctus, and Agnus Dei ["DAY-ee"].
ANSWER: **mass** [anti-prompt on more specific answers such as "missa solemnis" or "missa brevis", but do not accept or prompt on "requiem" or "requiem mass"]
[10] A popular legend claims that Giovanni Palestrina's *Pope Marcellus Mass* prevented this type of music from being banned at the Council of Trent. This texture of music consists of two or more simultaneous lines of independent melody.
ANSWER: **polyphony** [or **polyphonic** music, or **polyphonic** texture]
[10] This musical theme first appeared as a Portuguese dance in the 15th century. The "later" version of this theme consists of a sixteen-bar chord progression and was most famously used in a set of variations for violin by Corelli.
ANSWER: La **Folia**

6. The title group of this poem "Plunged in the battery-smoke", with "Cannon to right of them / Cannon to left of them". For 10 points each:
[10] Name this poem in which the six hundred ride "Half a league, half a league / Half a league onward".
ANSWER: **"The Charge of the Light Brigade"**
[10] This poet of *"*The Charge of the Light Brigade" called nature "red in tooth and claw" in his poem *In Memoriam A.H.H.*
ANSWER: Alfred, Lord **Tennyson**
[10] Tennyson adopted a Shakespeare character to narrate this poem. The title character repeats "I am aweary, aweary, / I would that I were dead!" while waiting for her lover.
ANSWER: "**Mariana**"

7. A recent dazzling exhibition at this museum was the *Infinity Mirror Rooms* installation. For 10 points each:
[10] Name this contemporary art museum in Washington, D.C., that contains works by Jeff Koons in its sculpture garden.
ANSWER: **Hirshhorn** Museum and Sculpture Garden
[10] The aforementioned *Infinity Mirror Rooms* was the work of Yayoi Kusama, an artist from this country. Other contemporary artists from this country include Takashi Murakami and Yoshitomo Nara.
ANSWER: **Japan** [or **Nippon**; or **Nihon**]
[10] Kusama's *Obliteration Room* invited viewers to interact with the exhibit by placing these objects anywhere in a white room. As a result, the ceiling, floor, walls, and furniture ended up being covered with over 750,000 colored polka dots.
ANSWER: colored polka-dot **stickers**

8. The fundamental theorem of algebra states that every non-constant polynomial in one variable has a root in this set of numbers. For 10 points each:
[10] Name this set of numbers denoted by a capital C, whose members can be expressed as a sum of real and imaginary numbers.
ANSWER: **complex** numbers
[10] A function over the complex numbers has this property if it satisfies the Cauchy-Riemann equations. A function over the reals has this property if and only if it has a Taylor series.
ANSWER: **differentiable** [or **differentiability**; accept anything that indicates the function has a **derivative**]
[10] This type of complex function preserves orientation and angles. The output of this type of function applied to a complex number z can be expressed in terms of z alone
ANSWER: **conformal** mapping

9. Answer the following about a title that's been important throughout British history. For 10 points each:
[10] This title, which Owain Glyndwr tried to claim in a failed uprising, is given to the person next in line to the British throne. Although it refers to a Celtic region West of England, the holder of this title has no actual governing authority over that region.
ANSWER: **Prince of Wales**
[10] Owain Glyndwr [Glendower], the last native Welsh Prince of Wales, served as a squire to two English Kings before rebelling: first Richard II, then this king also known as Bolingbroke.
ANSWER: **Henry IV**
[10] One man who held the title of Prince of Wales but never king was this figure who won the Battle of Crecy during the Hundred Years War. He was known as Edward of Woodstock before gaining his most famous nickname.
ANSWER: Edward **The Black Prince**

10. These circuit elements have their namesake quantity quantized by the von Klitzing constant. For 10 points each:
[10] Name these devices, symbolized by a zigzag symbol. Ideal varieties of these circuit elements have real values for impedance.
ANSWER: **resistor**s
[10] Resistance can be measured using these devices consisting of four resistor in a square, three of which have a known resistance.
ANSWER: **Wheatstone** bridges
[10] While a resistor has a real-valued impedance, this other circuit component has an imaginary-valued impedance. These components store electrical energy in a magnetic field when current runs through them.
ANSWER: **inductor**s

11. In February 2018, the Senate voted down three bills that would have effectively extended this program. For 10 points each:
[10] Name this Obama-era policy that gave legal status to certain undocumented immigrants who had arrived in the US as minors. President Trump announced the end of this program in September 2017.
ANSWER: **DACA** [or **D**eferred **A**ction for **C**hildhood **A**rrivals]
[10] One of the failed legalization bills was sponsored by Delaware Senator Chris Coons and this Arizona senator, who was diagnosed with brain cancer in 2017. This man was the 2008 Republican presidential nominee.
ANSWER: John (Sidney) **McCain** (III)
[10] The Senate also voted down a proposal that would have withheld federal funds from these places. This term describes municipalities that limit cooperation with federal immigration authorities.
ANSWER: **sanctuary cities** [prompt on "sanctuaries"]

12. One of this author's characters is a Bollywood actor whose frequent roles include Hindu deities. For 10 points each:
[10] Name this author. He also wrote about his travels to Nicaragua in a work that documents the rise of the Sandinistas under the backing of the Catholic Church and Jimmy Carter.
ANSWER: Salman **Rushdie**
[10] Besides the aforementioned *Satanic Verses* and *The Jaguar Smile,* Rushdie also famously wrote this novel following magical children born the night of India's independence. Parvati-the-witch and Shiva "of the knees" are two characters that the protagonist encounters.
ANSWER: ***Midnight's Children***
[10] The protagonist of *Midnight's Children*, Saleem Sinai, uses this body part to telepathically gather children across India. He is also able to sense the emotions of those around him thanks to this magical body part.
ANSWER: his (runny) **nose**

13. For 10 points each, name these bodies of water in Central Asia:
[10] This largest inland body of water in the world separates Russia's Caucasus region from Kazakhstan and Turkmenistan.
ANSWER: **Caspian** Sea
[10] This sea on the Kazakh-Uzbek border is shrinking due to decades of using the rivers that flow into it for cotton irrigation. It is now a left and a right unit rather than a single body of water.
ANSWER: **Aral** Sea
[10] This lake in Kazakhstan is both the source of the Ili River and Central Asia's largest freshwater lake.
ANSWER: Lake **Balkhash**

14. Answer the following about industrialization in early America. For 10 points each:
[10] This British immigrant introduced modern textile manufacturing techniques to America in his Pawtucket mill by memorizing factory plans before he left.
ANSWER: Samuel **Slater**
[10] This state industrialized heavily very early on, leading to the creation of mill towns such as Lowell and Lawrence.
ANSWER: **Massachusetts**
[10] An important primary source on early industrialization is the *Lowell Courier*, which published the personal narratives of female factory workers. The *Courier* was an institution of this type, others of which included the *New York World* and *Chicago Tribune*.
ANSWER: **newspapers**

15. This god is possibly an amalgam of three or five others, and is also ambiguously either the husband of Uke Mochi or Uke Mochi herself. For 10 points each:
[10] Name this highly venerated androgynous rice god who employs kitsune as messengers.
ANSWER: **Inari** Okami [or **Oinari**; or **Inari** no Kami]
[10] The kitsune Inari employs are these animals. Those that he/she/it/ they use as messengers are a lucky white, and can have up to nine tails.
ANSWER: **fox**es [or Vulpes **vulpes**]
[10] This kami killed Uke Mochi in the earliest versions of the myth, after which his sister wife Amaterasu refuses to see him ever again. This moon kami was born from the right eye of Izanagi, whereas the sun goddess Amaterasu was born from the left one, and Susanoo was born out of his nose.
ANSWER: **Tsukuyomi**-no-Mikoto

16. This man used "Guided Democracy" as an excuse to become an autocrat. For 10 points each:
[10] Name this dictator who gave his support to the PKI and was overthrown in the 30 September movement, which replaced him with Suharto.
Answer: **Sukarno**
[10] Both Sukarno and his successor Suharto ruled from Jakarta in this Southeast Asian country.
Answer: Republic of **Indonesia**
[10] After Sukarno's overthrow, Suharto committed a brutal purge of Communists that mostly targeted this Indonesian ethnic minority.
Answer: **Chinese**-Indonesians

17. Answer the following about theologians who led the Confessing Church, for 10 points each:
[10] Dietrich Bonhoeffer was a major leader of the Confessing Church, best known for *The Cost of Discipleship*, which criticizes the "cheap" form of this concept which "we bestow upon ourselves." The I in the TULIP acronym represents its "irresistible" kind which Arminians eschew in favor of its "prevenient" variety.
ANSWER: **grace** [or **mercy**]
[10] The Confessing Church was also led in part by Reformed theologian Karl Barth. Reformed theology is based on the theology of this Genevan man who wrote *Institutes of the Christian Religion* and preached double predestination.
ANSWER: John **Calvin** [or Jean **Chauvin**]
[10] When not opposing Hitler through the Confessing Church, Barth wrote a commentary on this Pauline epistle. It declares "the wages of sin is death" in its 6th chapter.
ANSWER: Epistle to the **Romans**

18. The principles of electrochemistry help power the cars we use today. For 10 points each:
[10] The reaction which powers a typical car battery involves sulfuric acid as the electrolyte and this element in the electrodes. Once fully discharged, the electrolyte becomes primarily water and both the electrode plates become this element's sulfate.
ANSWER: **lead** [prompt on "Pb"]
[10] Electrochemical cells, such as the lead-acid batteries in cars, involve this type of reaction in which electrons are transferred from one compound to another, thus generating an electric current.
ANSWER: **redox** reactions [or **reduction-oxidation** reactions, or **oxidation-reduction** reactions]
[10] This other type of cell sometimes used in electrochemistry consists of two equivalent half-cells of the same composition, with the generation of current driven by differences in the cell's namesake quantity.
ANSWER: **concentration** cell

19. This force was created by King Philip II and it only fought one major battle at the battle of Gravelines. For 10 points each:
[10] This force that was defeated by the Royal Navy commanded by Francis Drake in 1588.
Answer: **Spanish Armada**
[10] The Spanish Armada was commanded by this nobleman, who is prone to seasickness and has no almost no experience commanding any sort of military force, on land or at sea.
Answer: **Alonso Pérez de Guzmán**, the Duke of **Medina Sidonia** [accept either underlined part]
[10] The Spanish Armada was created in response to the execution of this Catholic queen of Scotland, she was the mother of James I of England.
Answer: **Mary, Queen of Scots** [prompt on "Mary"; do not accept "Mary I" or "Bloody Mary"]

20. In this work, John Felton is seduced by the murderer of Constance Bonacieux, who tries to steal a diamond brooch. For 10 points each:
[10] Name this work in which D'Artagnan joins Athos, Aramis, and Porthos to foil the plot of Milady de Winter.
ANSWER: The ***Three Musketeers*** [or Les *trois **mousquetaires***]
[10] *The Three Musketeers* was written by this French author who also narrated the exploits of Edmond Dantes in *The Count of Monte Cristo*.
ANSWER: Alexandre **Dumas**
[10] Dumas's son wrote this novel about Armand's affair with Marguerite, which was adapted by Giuseppe "Joe Green" Verdi into the opera *La Traviata*.
ANSWER: The ***Lady of the Camellias*** [or La ***Dame aux Camélias***]