

1991 Florida High School Academic Tournament

Introduce yourself.

Welcome participants, give round number and the significance of this particular competition. (Division 1: The three teams with the highest scores will compete in the state championship round at 2:30 p.m. today. Division 2: State championship round. Third place finishers receive rings from Herff Jones, Inc. Second place team members receive rings from Herff Jones, Inc. and Barnett Bank Scholarships for Academic Excellence in the amount of \$800. The Division 2 Florida state championship team members will receive rings from Herff Jones, Inc. and Barnett Bank Scholarships for Academic Excellence in the amount of \$1,200.)

Have judges, scorekeepers and student helpers introduce themselves. (Judges should give their name and the areas in which they will be judging only.)

Have the team coaches come forward to introduce himself/herself and team members.

Conduct a button check.

Begin 5-point question round.

- ENG 1. In the following sentence identify the noun used as the objective complement.

The club members elected my neighbor chairwoman of the financial committee after no one else wanted the job.

Answer: chairwoman

- SCI 2. Match each of the four scientists to his discovery.

Scientists	Discoveries
1. Bohr	A. electron
2. Chadwick	B. proton
3. Rutherford	C. neutron
4. Thomson	D. planetary theory

Answer: 1-D, 2-C, 3-B, 4-A

(Source: Chemistry; A Modern Course)

- SS 3. Complete the following analogy by supplying the one missing word.

Acrophobia is to fear of heights as _____ is to fear of open places.

Answer: agoraphobia

- MATH 4. If x is between 6 and 15 inclusive and y is between 30 and 40 inclusive, then find the maximum value of x divided by y .

Answer: $\frac{1}{2}$

HUM 5. Which one of the following three acting theories opposes the Stanislavski theory?

- A. The Method
- *B. James-Lange
- C. Tyrone Guthrie

ENG 6. Name the author and his epic in which it is stated: "Sin is born from the head of Satan."

Answer: John Milton, Paradise Lost

MATH 7. Give the zeros and the multiplicity of each for the function $f(x) = x^3 - 3x^2 + 3x - 1$.

Answer: 1; three

SCI 8. Which one of the following four terms best describes a virus which contains RNA that will manufacture DNA from its template?

- A. temperate virus
- B. lysogenic virus
- C. phage virus
- *D. retrovirus

SS 9. Give the name of the two countries in conflict over the Falkland Islands (Islas Malvinas) in 1982.

Answer: Argentina and Great Britain

ART 10. For what are the Grotte de Lascaux in France and the Cuevas de Altamira in Spain noted?

Answer: prehistoric cave paintings or cave paintings

ENG 11. Match each of the four didactic/propagandist literary works to the moral or political issue involved.

<u>Works</u>	<u>Issues</u>
1. <u>Uncle Tom's Cabin</u>	A. meat-packing industry
2. <u>The Jungle</u>	B. apartheid
3. <u>Catch 22</u>	C. war
4. <u>Cry, the Beloved Country</u>	D. slavery

Answer: 1-D, 2-A, 3-C, 4-B

SS 12. With which one of the following four countries did U.S. foreign relations improve after the 1934 abrogation of the Platt Amendment?

- A. Nicaragua
- B. Panama
- C. Chile
- *D. Cuba

(Source: Mastering American History, p. 457)

- SCI 13.** A pendulum swings through an arc of two degrees in two seconds. The same pendulum then swings through an arc of four degrees. Compute the time in seconds required for this swing.

Answer: 2

- ENG 14.** Fill in the blank. Shakespeare's reference to cannons in King John, to clocks in Julius Caesar and to billiards in Anthony and Cleopatra are all examples of _____.

Answer: anachronism

- MATH 15.** A 12-inch diameter pizza costs \$9.00. If the price is based on the area, what is the cost in dollars of a 16-inch diameter pizza?

Answer: 16

- ART 16.** Match each of the four colors to its traditional symbolic values in art.

<u>Colors</u>	<u>Values</u>
1. red	A. charity
2. white	B. evil
3. blue	C. passion
4. black	D. purity

Answer: 1-C, 2-D, 3-A, 4-B

- SS 17.** This is a two-part question. Part 1: Who ratifies a treaty made between the United States and another country? Part 2: What fraction of votes is required for ratification?

Answer: Senate, two-thirds

- SCI 18.** Match each of the four science areas to the natural phenomenon found within it.

<u>Areas</u>	<u>Natural Phenomena</u>
1. astronomy	A. earthquake
2. geology	B. tidal wave
3. meteorology	C. meteorite
4. oceanography	D. tornado

Answer: 1-C, 2-A, 3-D, 4-B

(Source: Earth Science - Nauroivsty/Spaulding 1985, pg. 3)

- MUS 19.** Name the man who changed the course of American ballet by using innovative dance techniques. His directorship at the American Ballet Theater was often involved in controversy as well as creative dynamism.

Answer: George Balanchine

MATH 20. What is the derivative of y if y equals the integral of the reciprocal of x dx ?

Answer: $\frac{1}{x}$

End of 5-point round.

Begin 10-point team question.

Read: For this team question you will be given Handout 7-1.

Do not distribute the handouts until you are instructed to do so. This team question is worth 10 points. Each question is worth one point.

You will be given 2 minutes. Please identify one handout as your team answer sheet in the upper left-hand corner.

Begin.

Time 2 minutes.

STOP!

Identify one handout as your team answer sheet and hold it in the air. The judges will correct your work.

Read answers: (one point each)

- | | |
|------|-------|
| 1. B | 6. E |
| 2. J | 7. G |
| 3. F | 8. I |
| 4. D | 9. A |
| 5. C | 10. H |

Announce scores from team question.

Two-minute break. (All coaches should report to scorekeepers whether substitutions are made or not.)

Announce scores after the round.

Begin 10-point question round.

ENG 21. Fill in the blank. Recently scholars discovered the first half of the original manuscript of Mark Twain's novel _____.

Answer: (The Adventures of) Huckleberry Finn

Handout 7-1

Team # _____

Movers and Shakers

Match each of the listed movers and shakers from the 1960's to the correct accomplishment.

<u>Movers and Shakers</u>	<u>Accomplishments</u>
_____ 1. Martin Luther King, Jr.	A. first American on the moon
_____ 2. John F. Kennedy	B. 1964 Nobel Peace Prize
_____ 3. Malcolm X	C. de-Stalinization
_____ 4. George Wallace	D. American Independent Party
_____ 5. Nikita Khrushchev	E. United Farm Workers Union
_____ 6. Cesar Chavez	F. Black Muslim Leader
_____ 7. Alan Shepard	G. first American in space
_____ 8. Earl Warren	H. medicare and medicaid
_____ 9. Neil Armstrong	I. <u>Miranda v. Arizona</u>
_____ 10. Lyndon Johnson	J. Peace Corps

- HUM 22.** Which one of the following four cities does Leonardo Bruni eulogize to Nanni Strozzi in his Funeral Oration?
- A. Venice
 - *B. Florence
 - C. Paris
 - D. Rome

(Source: The Humanities, Vol. 1, p. 224-226)

- SS 23.** Match each of the four rivers to the group of cities located near it.

<u>Rivers</u>	<u>Groups of Cities</u>
1. Mississippi	A. Gorki, Kuybyshev, Astrakhan
2. Ganges	B. Quincy, Ia Crosse, Natchez
3. Volga	C. Benares, Bhagalpur, Kanpur
4. Rio Grande	D. Laredo, Brownsville, El Paso

Answer: 1-B, 2-C, 3-A, 4-D

(Source: Goode's World Atlas)

- MATH 24.** The cost in dollars of producing x hair dryers is given by the equation C of x equals 200 plus $7x$, and the revenue function for selling all x hair dryers is R of x equals $20x$ minus x -squared divided by 50. What is the marginal profit in dollars when x equals 200?

Answer: 5

- SCI 25.** Which one of the following four areas of science uses the terms isostasy, kames, and cirques?

- A. medicine
- B. oceanography
- C. crystallography
- *D. glaciology

- ENG 26.** This is a two-part question. Part 1: Give the title and author of a modern science fiction novel in which one finds the motto: "We burn them to ashes and then burn the ashes." Part 2: Fill in the blank. The title indicates the temperature at which _____ will burn.

Answer: Part 1: Fahrenheit 451 - Ray Bradbury
Part 2: paper (accept: books)

- SS 27.** Fill in the blank: In the _____ Amendment to the War Resolution of 1898 the United States disclaimed any intention of exercising sovereignty or control over Cuba.

Answer: Teller
(Source: Encyclopedia of American History, Morris, p. 343)

MATH 28. Evaluate the expression, the sine of 345 degrees times the cosine of 45 degrees plus the cosine of 345 degrees times the sine of 45 degrees.

Answer: $\frac{1}{2}$

HUM 29. Match each of the four philosophers to the quotation attributed to him.

<u>Philosophers</u>	<u>Quotations</u>
1. Lao-tse	A. "A youth, when at home, should be filial, and, abroad, respectful to his elders."
2. Epicurus	B. "Manifest plainness, embrace simplicity, reduce selfishness, have few desires."
3. Socrates	C. "There is only one good, knowledge, and one evil, ignorance."
4. Confucius	D. "Pleasure is the beginning and the end of living happily."

Answer: 1-B, 2-D, 3-C, 4-A

(Source: Bartlett's--Familiar Quotations - John Bartlett)

For the next question you will be given Handout 7-2. Do not distribute these until you are instructed to do so. (pause) You are to choose to answer the question written in Spanish, French or German. You may distribute these face down.

FL 30. The question is printed on the handout. Turn them over and begin.

Answers:	Spanish:	1. conoce
		2. saben
		3. sé
		4. conocen
		5. sabes
	French:	1. connaît
		2. savent
		3. sais
		4. connaissez
		5. sais
	German:	1. kennt
		2. wissen
		3. weiss
		4. kennen
		5. kennst

SCI 31. Which two of the following four cranial nerves are associated with movement of the tongue?

- A. trigeminal
- *B. glossopharyngeal
- *C. hypoglossus
- D. trochlear

Handout 7-2

Spanish:

Llene los siguientes espacios usando el presente del indicativo de saber o de conocer.

1. Mi primo no _____ la ciudad de Miami.
2. Los estudiantes no _____ la lección.
3. Yo no _____ bailar.
4. Ustedes _____ a mi padre.
5. Tu no _____ inglés.

French:

Remplissez les espaces avec la forme correcte de savoir ou connaître.

1. Mon cousin ne _____ pas Marseille.
2. Les étudiants ne _____ pas la leçon.
3. Je ne _____ pas danser.
4. Vous ne _____ pas mes parents.
5. Tu ne _____ pas anglais.

German:

Wählen Sie die richtige Form von den Verben, kennen oder wissen.

1. Mein Vetter _____ Marseille nicht.
2. Die Schüler _____ das noch nicht.
3. Meine Schwester _____ das schon.
4. _____ Sie diese Dame?
5. _____ du ihn?

- ENG 32. Match each of the four song titles to the mythological character or characters to which each might refer.

<u>Characters</u>	<u>Titles</u>
1. Zeus	A. "Here We Go 'Round the Mulberry Bush"
2. Atlas	B. "Just A Gigolo"
3. Pyramus & Thisbe	C. "By the Light of the Silvery Moon"
4. Artemis	D. "He's Got the Whole World in His Hands"

Answer: 1-B, 2-D, 3-A, 4-C

- MATH 33. Classify each of the following four as cardioid, limaçon with loop, dimpled limaçon, or rose curve, in which case give the number of petals.

- A. $r = 3 + 2 \cos \theta$
- B. $r = 1 + \sin \theta$
- C. $r = 2 \sin 3 \theta$
- D. $r = 3 \cos 2 \theta$

Answer: A. limaçon with loop
B. cardioid
C. 3 petal rose
D. 4 petal rose

- ART 34. Which one of the following four terms is not associated with Greek Doric architecture?

- A. triglyph
- *B. volute
- C. metope
- D. echinus

(Source: Gardner - Art Through the Ages - p. 140)

- MUS 35. Name three forms of piano music written by Frédéric Chopin.

(accept any three)

Answer: scherzo, rondo, impromptu, mazurka, polonaise, fantasie, waltz, ballade, nocturne, étude, prelude, concerto

- SS 36. Which one of the following four terms identifies a type of community such as Chinatown, San Francisco?

- A. world culture
- B. cultural specialty
- *C. subculture
- D. diverse culture

SCI 37. Match each of the four molecules to its shape.

	<u>Molecules</u>	<u>Shapes</u>
1.	CO ₂	A. trigonal planer
2.	H ₂ O	B. trigonal pyramid
3.	BF ₃	C. linear
4.	NH ₃	D. bent

Answer: 1-C, 2-D, 3-A, 4-B

MATH 38. Find the zeros for the function, F of x equals the quotient of the quantity $3x^2 + 2x - 8$ and the quantity $2x^2 - 5x - 3$.

Answer: -2, 4/3

SCI 39. Given the gravitational constant is 7×10^{-11} newton meters squared per kilogram squared, compute the approximate mass in kilograms of the moon to one significant digit. The mass of the earth is 6×10^{24} kilograms, the distance between the two bodies is 3.9×10^8 meters and the gravitational force between them is 1.9×10^{20} newtons.

Answer: 7×10^{22}

ENG 40. Match each of the four poetic meters to the word which exemplifies it.

	<u>Meters</u>	<u>Words</u>
1.	anapestic	A. merrily
2.	dactylic	B. barter
3.	iambic	C. understand
4.	trochaic	D. rehearse

Answer: 1-C, 2-A, 3-D, 4-B

(Source: Perrine-Glossary Literature-Structure Sound and Sense)

End of 10-point round.

Begin 20-point team question.

Read: For this team question you will be given Handout 7-3. You will be given a sack. (Each sack contains 2 lights, 4 short wires, 2 long wires, one 9V battery, 2 light sockets, and 2 switches.)

Do not distribute the handouts or open the sack until you are instructed to do so. This team question is worth 20 points. The value of each question is printed on the handout.

You will be given 8 minutes. Please identify one handout as your team answer sheet in the upper left-hand corner. The directions are printed on the handout.

This team question requires you to construct three operative circuits. Raise your hand when each circuit is complete so that a judge can check your work, and you can continue to the next circuit. Inform the judge which circuit you have constructed.

Handout 7-3

Team # _____

Your team is to construct three operative circuits. Raise your hand when each of the following is completed.

First: (5 points)

Construct a circuit that will light two bulbs in series.

Second: (5 points)

Construct a circuit that will light two bulbs in parallel.

Third: (10 points)

Construct a two-way circuit that will turn on or off a light from either of the two switches.

Distribute the handouts face down. (pause) Turn them over, open the sack and begin.

Time 8 minutes.

(Three judges are needed in each room of competition to score this. Each of the three is responsible for two teams.)

STOP!

Identify one handout as your team answer sheet and hold it in the air. The judges will correct your work.

Read answers:

Three judges will be required. Each judge will score two teams on the following:

To test the series circuit: Take out one bulb and the other should go out. (5 points)

To test the parallel circuit: Take out one bulb and the other should remain lit. (5 points)

To test the dipole circuit: The bulb should go on or off at either of the two switches. (10 points)

Announce scores from team question.

Two-minute break. (All coaches should report to scorekeepers whether substitutions are made or not.)

Announce scores after the round.

Begin 15-point question round.

SS 41. Who am I? As a United States Senator in 1830, I presented the Nationalist viewpoint on the Constitution and ended my oration with "Liberty and Union, now and forever, one and inseparable." Senator Robert Hayne gave the states' rights reply.

Answer: Daniel Webster

(Source: Mastering American History, p. 201)

HUM 42. Compute the result of the following three-step problem. Add the number of days in Lent to the number of days from Easter to Pentecost. Multiply this sum by the number of candles in a standard Menorah. Divide this product by the number of weeks in Advent.

Answer: 157.5 ($40 + 50 = 90$; $90 \times 7 = 630$; $630 \div 4 = 157.5$)

MATH 43. Two real functions are $f(x) = \sqrt{x}$ and $g(x) = \text{the quotient of } x + 2 \text{ and } x - 1$. Find the domain of f composite g .

Answer: $x \leq -2$ or $x > 1$

ENG 44. Identify by title any three of the four poems that contain the following lines:

1. And we are here as on a darkling plain
Swept with confused alarms of struggle and flight,
Where ignorant armies clash by night.
2. "Beauty is truth, truth beauty"--that is all
Ye know on earth, and all ye need to know.
3. Water, water everywhere,
Nor any drop to drink
4. This is the way the world ends
Not with a bang but a whimper.

(any three)

- Answer:
1. "Dover Beach"
 2. "Ode on a Grecian Urn"
 3. "The Rime of the Ancient Mariner"
 4. "The Hollow Men"

For the next question you will be given Handout 7-4. Do not distribute these until you are instructed to do so. (pause) Distribute these face down.

COMP 45. Given the BASIC program on the handout, determine the value of Z after execution of the program. Turn them over and begin.

Answer: 18

MS 46. In what one century did each of the following four events take place?

- A. Guillaume de Machaut composes "Mass for Four Voices."
- B. Dante composes Divina Commedia.
- C. Richard II is deposed, and Henry IV ascends the throne of England.
- D. Heidelberg University is founded.

Answer: fourteenth century (accept: 1300's)

Handout 7-4

```
10 LET Z = 3
20 FOR X = 1 TO 3
30 LET Z = Z + 1
40 FOR I = 1 TO 2
50 LET Z = Z + 2
60 NEXT I
70 NEXT X
80 END
```

- SCI 47. Match each of the four plant hormones to the action for which it is known.

<u>Plant Hormones</u>	<u>Actions</u>
1. abscissic acid	A. promotes apical dominance
2. auxin	B. promotes cell division
3. cytokinins	C. promotes dormancy
4. ethylene	D. promotes fruit ripening

Answer: 1-C, 2-A, 3-B, 4-D

- SS 48. Name the movement by which Bismarck tried to weaken the influence of the Roman Catholic Church in Germany.

Answer: Kulturkampf

- SCI 49. Name three of the five planets which show retrograde motion when viewed from the earth.

Answer: (any three) Mercury, Venus, Mars, Jupiter, Saturn

(Source: Astronomy: The Evolving Universe by Michael Zeilik)

For the next two questions you will be treated to a live performance. (Introduce the two girls from the Harrison Visual and Performing Arts School in Polk County.) The girls will perform excerpts from three major literary works. Remember, there will be two separate multi-part 15-point questions.

- ENG 50. This is a two-part question.

Part 1: Identify the title from which each excerpt is taken.

Part 2: Identify the author of each.

Answer: Part 1: a. The Taming of the Shrew
b. Antigone
c. A Streetcar Named Desire
Part 2: a. (William) Shakespeare
b. Sophocles
c. (Tennessee) Williams

- ENG 51. This is a three-part question.

Part 1: Name the suitor who "tamed" Katharina.

Part 2: Name the brother whom Antigone sought to bury.

Part 3: Name the "him" being discussed by Blanche and Stella in the presentation.

Answer: Part 1: Petruchio
Part 2: Polyneices
Part 3: Stanley (Kowalski)

For the next question you will listen to a tape recording of four musical selections (tape 7-5, no handout). Each of the selections was used in a recently released movie. You need to make note of the order in which the selections are played. There will be one matching question concerning this recording.

- MUS 52. Three-way matching. In the order played, match each selection to its composer and the title of the movie in which it was used.

	<u>Composers</u>		<u>Movies</u>
A.	Pachelbel	W.	<u>Ordinary People</u>
B.	Puccini	X.	<u>The Witches of Eastwick</u>
C.	Ravel	Y.	<u>Out of Africa</u>
D.	Mozart	Z.	<u>10</u>

Answer: 1-C-Z; 2-A-W; 3-B-X; 4-D-Y

- SS 53. This is a two-part question: Part 1: Name the case in which the Supreme Court established the principle that the "power to tax involves the power to destroy." Part 2: Who was the Chief Justice at the time?

Answer: Part 1: McCulloch v. Maryland
Part 2: John Marshall

- MS 54. Match each of the four rivers to the city associated with it.

	<u>Rivers</u>		<u>Cities</u>
1.	Arno	A.	Stratford
2.	Avon	B.	Kiev
3.	Dnieper	C.	Benares
4.	Ganges	D.	Florence

Answer: 1-D, 2-A, 3-B, 4-C

- MATH 55. Which is greater: the semiperimeter of a right triangle with legs 5 and 12, or the apothem of a hexagon with perimeter 96?

Answer: the semiperimeter of the triangle

- SCI 56. The Ksp (Read: K-S-P) of silver chloride at 25°C is 1.8×10^{-10} (READ: 1-POINT-8-TIMES 10 TO THE NEGATIVE 10 POWER.) What is the molar concentration of silver in a saturated solution?

Answer: 1.3×10^{-5} (accept: $\sqrt{1.8 \times 10^{-5}}$ or $\sqrt{1.8 \times 10^{-10}}$)

- SS 57. Compute the result of this three-step problem. To the year of the assassination of Julius Caesar add the year of the fall of the Western Roman Empire. Multiply this sum by the number of the King George whose list of "injuries" appear in the Declaration of Independence. From this product subtract the year that Charlemagne was crowned "Emperor of the Romans."

Answer: 760 (44 + 476 x 3 - 800)

SCI 58. This is a three-part question. A circuit of two resistors four ohms and eight ohms is connected in series with each other and in series with a 24-volt battery. Part 1: What is the amperage on the circuit? Part 2: What is the number of volts being used by each resistor? Part 3: What is the number of volts returning to the power source?

Answer: Part 1: 2; Part 2: 8, 16; Part 3: 0

For the next question you will receive an art handout (7-6). There will be one three-part question concerning the handout.

ART 59. This is a three-part question. Part 1: Name the artist of this work. Part 2: Identify the goddess represented by the central figure (the nude woman). Part 3: Name the fifteenth century fanatic monk who convinced the artist to destroy some of his works.

Answer: Part 1: Botticelli
Part 2: Venus
Part 3: Savonarola

MS 60. Name the four words beginning with the letter H from the following descriptions.

1. the physical machinery and devices that make up a computer system
2. inflammation of the liver
3. the locus of all points in a plane such that the difference of the distances of any point on the locus from two fixed points is constant
4. a form of Japanese poetry

Answer: 1. hardware
2. hepatitis
3. hyperbola
4. haiku

MATH 61. Find the value of x for which the two vectors given by $(10, -4)$ and $(-5, x)$ are orthogonal.

Answer: $\frac{-25}{2}$

- ENG 62. This is a two-part question with four answers. Give the first and last names of each pair of individuals described. In each pair the last name of the first person is the first name of the second.

Pair 1: A Welsh poet who wrote "Fern Hill"
and

The Archbishop whose martyrdom is the subject of Murder in the Cathedral.

Pair 2: An American writer and scientist who wrote against insecticides in The Silent Spring
and

An American author who wrote The Heart Is A Lonely Hunter

Answer: Pair 1: Dylan Thomas/Thomas à Becket
Pair 2: Rachel Carson/Carson McCullers

For the next question you will listen to a taped recording in French, Spanish and German (FL tape 7-7, no handout). There will be one, three-part question concerning this recording. You will choose one of the languages to answer the three-part question.

- FL 63. This is a three-part question. Part 1: What is the subject of the advertisement? Part 2: How often is the product received? Part 3: What is the regular price of the product?

Answer: Part 1: a magazine
Part 2: monthly
Part 3: Spanish: 2500 pesetas (per year)
French: 875 francs
German: 68,75 DM

- MS 64. Match each of the four literary works to the monarch who reigned when it was written.

<u>Literary Works</u>	<u>Monarchs</u>
1. <u>The Canterbury Tales</u>	A. Charles II
2. <u>Macbeth</u>	B. Victoria
3. <u>Paradise Lost</u>	C. Richard II
4. <u>Wuthering Heights</u>	D. James I

Answer: 1-C, 2-D, 3-A, 4-B

- MATH 65. Does the point $(-1, 2)$ lie in the intersection of the regions defined by y is less than negative $5x + 7$, y is less than $2x + 1$, and y is greater than negative 4?

Answer: No

End of 15-point round.

Begin 30-point team question.

Read: For this team question you will be given Handouts 7-8 and 7-8A. You will listen to the tape of three musical recordings (tape 7-8).

Do not distribute the handouts until you are instructed to do so. This team question is worth 30 points. Each question is worth two points.

You will be given 3 minutes. Please identify one handout as your team answer sheet in the upper left-hand corner.

Begin.

Time 3 minutes.

STOP!

Identify one handout as your team answer sheet and hold it in the air. The judges will correct your work.

Read answers: (two points each)

1. Roy Rogers
2. (Aaron) Copland
3. Rodeo
4. Billy the Kid
5. C (source: History of Art, Janson)
6. B
7. C
8. A
9. Roughing It
10. Pecos Bill
11. 3
12. D, A, B, C (note: 1838, 1876, 1887, 1924)
13. Geronimo
14. 6
15. 1890

Announce scores from team question.

Teams should remain seated until final scores are computed.

Announce scores.

If scores are tied, have a two-minute break before beginning the tie breaker question. Only the teams whose scores are tied will compete.

Tie-breaker questions.

Handout 7-8

Team # _____

"The Wild West"

1. The first musical selection was sung by the Sons of the Pioneers. This group served as back-up vocalists for a TV cowboy named _____ whose horse was named Trigger.

An American artist composed the two ballets from which selections two and three were taken. Both ballets deal with Western frontier themes.

2. Name this composer. _____

In the order played name the ballets. 3. _____

4. _____

5. Which one of the following four artists did not create a painting of the American Wild West?

- A. George Catlin
- B. Charles Russell
- C. Edward Hopper
- D. Frederick Remington

Match each of the three authors who wrote about the West to the appropriate work.

	<u>Authors</u>	<u>Works</u>
_____ 6.	James A. Michener	A. <u>Riders of the Purple Sage</u>
_____ 7.	Willa Cather	B. <u>Centennial</u>
_____ 8.	Zane Grey	C. "A Sculptor's Funeral"

9. Identify the title of the autobiographical narrative by Mark Twain concerning his journey across the west. _____
10. Name the legendary cowboy of Southwestern tall tales. _____
11. The Dodge City Bank is robbed. The robbers jump on their horses and "get out of Dodge." The sheriff forms a posse, and they set off 30 minutes later. The robbers' horses, burdened with the stolen gold, can only travel at a rate of 25 miles per hour. The sheriff's posse moves at a rate of 30 miles per hour. How many hours from the time the robbers leave will it take the good guys to catch the bad guys?

12. Using letters, place the following four events of the West in chronological order. _____
- A. Battle of the Little Big Horn
 - B. Dawes Act
 - C. Snyder Act--Indians granted U.S. citizenship
 - D. Trail of Tears

Handout 7-8A

Team # _____

13. Name the Southwestern Indian chief who long withstood capture in the Arizona mountains; after his capture, he died in Florida. _____
14. Give the outer energy level number for electrons of the metal whose discovery resulted in the "forty-niners." _____
15. What year is considered by historians to signify the closing of the frontier? _____