

1991 Florida High School Academic Tournament

Introduce yourself.

Welcome participants, give round number and the significance of this particular competition. (If Division 2: The three teams with the highest score will compete in the finals today at 10:30 a.m. If Division 3: The third place team members and coach will each receive a championship ring from Herff Jones, Inc. The second place team members each receive the Barnett Scholarship for Academic Excellence in the amount of \$800. These team members and their coach each receive championship rings from Herff Jones, Inc. The State Division 3 Championship team members and coach each receive a championship ring from Herff Jones, Inc. and team members receive a \$1200 Barnett Scholarship for Academic Excellence.)

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.

- SCI 1. Name the constellation which contains the stars Betelgeuse, Bellatrix and Mintaka.

Answer: Orion

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

- ECON 2. Which one of the following four characterizes an economic recessionary period?

- A. high prices, low unemployment
- *B. low prices, high unemployment
- C. high prices, high unemployment
- D. low prices, low unemployment

- ENG 3. Give the title and author of the contemporary novel set in India which tells the story of a young Brahmin's search for reality.

Answer: Siddhartha, (Herman) Hesse

- MATH 4. Find the unit measure of the radius of a sphere whose volume is 36π cubic units.

Answer: 3

- HUM** 5. Complete the following statement using one of the four given choices.

In theater, the distance from a lighting instrument to the object or area to be lit is its _____.

- A. distance
- B. reach
- C. visibility
- *D. throw

(Source: Basic Drama Projects)

- SCI** 6. Name the scientist who contributed to the foundation of mechanics and who died in the same year that Sir Isaac Newton was born.

Answer: Galileo (Galilei)

- SS** 7. Which one of the following four cultures is the base culture of Mesoamerica?

- A. Maya
- *B. Olmec
- C. Toltec
- D. Aztec

- MATH** 8. How many lines of symmetry does a regular hexagon have?

Answer: 6

- ENG** 9. Give the Greek name for each of the following two gods.

- 1. Vulcan
- 2. Mars

Answer: 1. Hephaestus
2. Ares

- ART** 10. Who am I? I was the son of a prosperous miller, and I was born in Leiden. I am well-known for my Biblical paintings and over sixty self-portraits.

Answer: Rembrandt

(Source: A History of Art, Hottt, Prentice-Hall, pp. 741-742)

- SCI** 11. Match each of the four diseases to the means by which it is acquired.

<u>Diseases</u>	<u>Means of Acquisition</u>
1. hypertension	A. air pollution
2. silicosis	B. heredity
3. malaria	C. life style
4. juvenile onset diabetes	D. animal contact

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

- SS** 12. Name the Catholic cardinal who committed French armies to fight on the side of the Protestants during the Thirty Years' War.

Answer: (Cardinal) Richelieu

- MATH** 13. A rectangular box has a length of 12 feet, a width of 10 feet and a height of 4 feet. What is the exact length in feet, of the longest straight rod that could fit in the box?

Answer: $2\sqrt{65}$ (accept: $\sqrt{260}$)

- ENG** 14. Which one of the following four languages identifies the common ancestor of English and about one-third of the world's languages?

- A. Sanskrit
- B. German
- *C. Indo-European
- D. Greek

- MUS** 15. Identify the invention credited to Johannes Maelzel which sounds regular beats at an adjustable rate and is used to indicate exact tempo.

Answer: metronome

(Source: Harvard Dictionary of Music, p. 523)

- SS** 16. To which one of the following four policies was the United States adhering when it helped organize NATO?

- A. appeasement
- B. brinkmanship
- C. détente
- *D. containment

- MATH** 17. Find the unit measure of the radius and the coordinates of the center of the circle with equation $x^2 + 14x + y^2 + 6y = 6$.

Answer: 8; (-7, -3)

- MUS** 18. Fill in the blank with the missing number. The value of a dotted whole note in six-four meter is _____ beats.

Answer: 6

- ENG** 19. Which one of the following four is the mythological basis for A Portrait of the Artist as a Young Man?

- A. Cerberus
- B. Elysian Fields
- C. Perseus
- *D. Daedalus

SCI 20. Consider a mystery compound having the formula MT_xY_y . If the compound is not an acid, if it contains only 2 elements and if M is not a metal, which one of the following four statements is true about the compound?

- A. It contains a polyatomic ion.
- *B. It is a binary molecular compound.
- C. Its name ends in -ite.
- D. Its name ends in -ete or -ate.

End of 5-point round.

Begin 10-point team question.

Read: For this team question you will be given Handout 6-1.

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 answer:

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

Announce scores from team question.

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

Handout 6-1

Team # _____

OO's and AH's

Match each of the words to its definition.

<u>Words</u>	<u>Definitions</u>
____ 1. <u>OODLES</u>	A. irrepressible enthusiasm
____ 2. <u>AHIMSA</u>	B. the capital of Khuzistan, Iran
____ 3. <u>OOLOGY</u>	C. to flow or leak out slowly
____ 4. <u>AHUEHUETE</u>	D. a great amount
____ 5. <u>OO LONG</u>	E. Jezebel's husband
____ 6. <u>AHWAZ</u>	F. an Indian doctrine of nonviolence expressing belief in the sacredness of all living creatures
____ 7. <u>OOMPH</u>	G. a dark Chinese tea
____ 8. <u>AHVENANMAA</u>	H. the Finish name for the Aland Islands
____ 9. <u>OOZE</u>	I. an evergreen tree, <u>Taxodium mucronatum</u> , native to Mexico; "Montezuma cypress"
____ 10. <u>AHAB</u>	J. the branch of ornithology dealing with bird's eggs

Announce scores after the round.

Begin 10-point question round.

MATH 21. By formula, state the solution of the quadratic equation, $dx^2 + fx + h = 0$ with $d \neq 0$.

Answer:
$$x = \frac{-f \pm \sqrt{f^2 - 4dh}}{2d}$$

ECON 22. Which one of the following four statements describes what will likely happen to the price of a bond in this situation?

I bought a government bond for \$850 that will pay me \$1,000 one year from now. The day after my bond purchase, interest rates on such bonds fell.

- *A. The price of the bond will rise.
- B. The price of the bond will fall.
- C. The price of the bond will not change.
- D. The price of the bond will fall only if stock prices fall.

HUM 23. Name the Greek philosopher who proposed that matter moves because of form and that God is the unmoved mover.

Answer: Aristotle

ENG 24. Compute the result of this three-step problem:

Divide the number of little Indians in the nursery rhyme by the number of lines in a limerick. Add to that quotient the number of Shakespeare's Ages of Man and multiply this sum by the year that King John signed the Magna Carta.

Answer: 10,935 (10 ÷ 5 = 2; 2 + 7 = 9; 9 x 1215)

SCI 25. In which state can I be found? I am a huge vertical exposed crystalline batholith. Indian tales relate how an Indian princess sought refuge from a great bear on my top and to this day the claw marks down my sides are still visible. I have been pictured as the location for a UFO exchange with Earth people.

Answer: Wyoming (note: Devil's Tower)

For the next question you will be given Handout 6-2. Do not distribute these until you are instructed to do so. (pause) Distribute these face down.

FL 26. The question is printed on the handout. Turn them over and begin.

Answer: D

Handout 6-2

Choose Spanish, French, or German to complete the sentence by using the correct rejoinder.

Spanish

"¿Su carro nuevo?" Elena nos lo ____.

- A. miró
- B. ayudó
- C. pintó
- D. enseñó

French

"Sa nouvelle voiture?" Hélène nous l' ____.

- A. a regardée
- B. a aidé
- C. a montée
- D. a montrée

German

"Wo ist dein neues Auto?" _____ Helene mich.

- A. zeigte
- B. sagte
- C. wünschte
- D. fragte

MATH 27. Which one or ones of the following four numbers are real numbers?

- A. i^{15} (Read "i to the 15th power.")
- *B. i^{20} (Read "i to the 20th power.")
- C. i^{25} (Read "i to the 25th power.")
- D. i^{29} (Read "i to the 29th power.")

SS 28. This is a four-part question. Name respectively the wars in which these four generals played their most famous role.

- 1. Andrew Jackson
- 2. Dwight Eisenhower
- 3. John Pershing
- 4. William Westmoreland

Answer: 1. War of 1812
 2. World War II
 3. World War I
 4. Vietnam War

ENG 29. Which one or ones of the following four lines contain central ideas of the poem "Mending Wall" by Robert Frost?

- *A. "Good fences make good neighbors."
- B. "Spring is the mischief in me,..."
- *C. "Something there is that doesn't love a wall."
- D. "He moves in darkness as it seems to me,..."

SCI 30. If a whisper has a noise level of 20 decibels using 10^{-10} watts and rustling leaves are 10 decibels using 10^{-11} watts, how many decibels would be produced by conversation using 10^{-6} watts?

Answer: 60

For the next question you will hear the recording of three musical selections (music tape 6-3, no handout). There will be one multi-part question concerning this recording. (Play recording.)

MUS 31. Name in the order played the capital city of the countries whose national anthems you have just heard.

- Answer: 1. London
 2. Paris
 3. Moscow

ENG 32. Identify the early nineteenth century British poets who authored any two of the following three poems.

1. "Songs of Innocence and Experience"
2. "The Rime of the Ancient Mariner"
3. "Lines Written Above Tintern Abbey"

Answer: (any two)

1. (William) Blake
2. (Samuel) Coleridge
3. (William) Wordsworth

SS 33. Name the Secretary of State for whom the military aid program to rebuild Europe at the end of World War II was named.

Answer: (George) Marshall

MATH 34. If $n^3 = 5$, then what is the value of $3n^6$? (Read "3 times n to the sixth power.")

Answer: 75

SCI 35. Which one of the following four animals is not bilaterally symmetrical as an adult?

- A. rotifer
- B. earthworm
- *C. starfish
- D. crayfish

For the next question you will use Handout 6-4. Do not distribute these until you are instructed to do so. (pause) Distribute these face down.

ENG 36. Match each of the four sentence patterns to the sentences given. Use the code. Turn them over and begin.

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

SS 37. Name respectively the two leaders who made the following toasts at the 1830 Jefferson Day Dinner.

1. "Our Federal Union: it must be preserved."
2. "The Union, next to our liberty, most dear."

Answer: 1. (Andrew) Jackson
2. (John C.) Calhoun

MATH 38. Find the area in square units of a rhomboid kite if one diagonal is 8 units and the other diagonal is 6 units.

Answer: 24

Handout 6-4

Code: S (subject), AV (action verb), LV (linking verb), IO (indirect object), DO (direct object), OC (object complement), SC (subject complement)

Use the information given below and match each sentence to the correct code.

Sentences

1. The medicine man is a stock character in many western movies and novels.
2. According to the salesman, his snake oil could cure any ailment.
3. His comical behavior has given modern movie-goers many laughs.
4. Too much sugar makes me hyper.

Codes

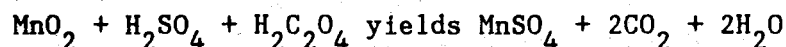
- A. S + AV + DO
- B. S + AV + IO + DO
- C. S + AV + DO + OC
- D. S + LV + SC

ART 39. Place the following four structures in chronological order by date of completion.

- A. Versailles
- B. Pantheon
- C. Chartres Cathedral
- D. Parthenon

Answer: D, B, C, A

SCI 40. In the following balanced reaction which element is being oxidized and which element is being reduced?



Answer: oxidized - carbon (accept: C)
reduced - manganese (accept: Mn)

End of 10-point round.

Begin 20-point team question.

Read: For this team question you will be given Handout 6-5.

Do not distribute the handouts until you are instructed to do so. This team question is worth 20 points. Each question is worth 2 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: (2 points each)

1. Gabriel
2. Joseph
3. Samson
4. Daniel
5. Jonah
6. Methuselah
7. Noah
8. Ruth
9. Solomon
10. David

Help Wanted

Team # _____

The following description appeared in the help wanted section of the classified advertisements in the Old Testament Chronicle. Name the characters who filled the positions advertised, in order, in the blanks below.

	<p>Musician Wanted. Brass section. Also responsible for important announcements</p>	
	<p>Wanted: Food supply manager, right hand man. Must be colorful dresser.</p>	
	<p>Needed - Man blessed with great strength to work as house mover. Female barbers need not apply.</p>	
	<p>Seeking foreign advisor to analyze dreams. Experience with lions required. Apply Babylon.</p>	
	<p>Wanted Shamu trainer for Sea World. Must have experience in all aspects of whale behavior.</p>	
	<p>Retiree over 60. Must be willing to work for 900 more years.</p>	
1. _____	<p>Needed Immediately</p>	6. _____
2. _____	<p>Expert boat builder. No animal allergies.</p>	7. _____
3. _____	<p>Lonely?</p>	8. _____
4. _____	<p>Widow willing to accompany mother-in-law on travels.</p>	9. _____
5. _____	<p>Needed: Wise judge partial to foreign queens and elaborate architecture.</p>	10. _____
	<p>Wanted for executive position, man to handle giant problems.</p>	

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.

COMP 41. How many digits are accurate in a single precision floating point number?

Answer: six

SCI 42. Match each of the four colors seen in a fireworks display to the element responsible for the color.

<u>Colors</u>	<u>Elements</u>
1. white	A. sodium
2. yellow	B. barium
3. red	C. magnesium
4. green	D. strontium

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

(Source: Zumdahl's Introductory Chemistry, p. 356)

MATH 43. For what x values is the graph of the function, f of x equals x times the square root of the quantity $4 - x^2$, below the x axis?

Answer: $-2 < x < 0$

MS 44. Match each of the four boroughs or Burroughs (spell each) to its description.

<u>Boroughs or Burroughs</u>	<u>Descriptions</u>
1. rotten boroughs	A. noted for writing the Tarzan books
2. Edgar Rice Burroughs	B. district controlled by a single family
3. pocket boroughs	C. electoral districts with a disproportionately small electorate
4. William Burroughs	D. regarded as the founder of the Beat Generation

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

ENG 45. Who am I? I am the main character in a lyrical drama by Shelley. I am described as the firegiver in a poem by Bridges. My name is part of the subtitle of the novel Frankenstein. I appear in a Greek myth as a divine being, one of the Titans.

Answer: Prometheus

(Source: Prometheus Unbound by Percy Shelley;
"Prometheus and the Firegiver" by Robert Bridges;
Frankenstein or the Modern Prometheus by Mary Shelley)

MUS 46. This is a two-part question. Operetta in the late nineteenth century was defined by two Englishmen who worked together.

Part 1: Name the two men.

Part 2: Name two of their operettas.

Answer: Part 1: Gilbert and Sullivan

Part 2: (any 2) Trial by Jury, H.M.S. Pinafore, The Pirates of Penzance, Patience, Iolanthe, The Mikado, Ruddigore, The Yeoman of the Guard, The Gondoliers, Utopia Unlimited, The Grand Duke

(Source: Baker's Biographical Dictionary of Musicians)

ENG 47. Supply the words omitted in the titles of three of the following four Emily Dickinson poems.

1. "I Never Saw a _____"
2. "_____ Is a Thing with Feathers"
3. "_____ Is Counted Sweetest"
4. "Because I Could Not Stop For _____"

Answer: (any three) 1. Moor
2. Hope
3. Success
4. Death

SCI 48. Match each of the four minerals to its common use.

<u>Minerals</u>	<u>Uses</u>
1. hematite	A. used in pencils and as a lubricant in small machines
2. sulfur	B. table salt
3. halite	C. source of iron
4. graphite	D. used to make matches, medicine, rubber, and gun powder

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

(Source: p. 142, Prentice-Hall, Earth Science, 3rd Edition)

MATH 49. How many units is the height of a cone if its volume is numerically equal to the area of its base?

Answer: 3

MS 50. Identify the four words beginning with the letter S from the following descriptions.

1. the second largest planet of our solar system
2. the French word for sugar
3. given two points in a plane, the change in the y-coordinates divided by the change in the x-coordinates
4. a figure of speech that directly compares two things using like or as

Answer: Saturn, sucre, slope, simile

SCI 51. Match each of the three physicists to his work.

<u>Physicists</u>	<u>Works</u>
1. Joule	A. uncertainty principle
2. Faraday	B. electric field concept
3. Heisenberg	C. mechanical equivalent of heat

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

(Source: Physics: Principals and Problems, p. 208, 367, 486)

SS 52. Which one of the following four ancient leaders is responsible for establishing the first postal system to help govern his empire?

- A. Ramses II
- *B. Cyrus the Great
- C. Darius
- D. Nebuchadnezzar

(Source: History of the World, Perry)

ENG 53. Identify each of the following three female protagonists whose first names begin with the letter A.

1. She falls in love with Count Vronsky, even though she is a married woman.
2. She has many adventures in a strange land populated by all kinds of characters.
3. She defies her uncle by burying her brother.

Answer: 1. Anna Karenina
2. Alice (in Wonderland)
3. Antigone

(Source: Masterpieces of World Literature, Harper, NY, 1989)

MATH 54. Simplify and evaluate the quotient of the quantity sine squared of 2π over 7 plus cosine squared of 2π over 7 and the quantity of two times sine of π over twelve times cosine of π over twelve.

Answer: 2

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

ART 55. This is a four-part question.

1. What nickname did Michelangelo give this sculpture?
2. Who was the sculptor?
3. On what building are the doors found?
4. In what city is the work located?

Answer: 1. "The Gates of Paradise"
2. (Lorenzo) Ghiberti
3. the Baptistery
4. Florence (Italy)

SS 56. What is the sum of the following three numbers?

- the number of the only amendment of the U.S. Constitution to have been repealed
- the number of articles in the original Constitution
- the year in which the Constitution was written

Answer: 1812 (18 + 7 + 1787)

MS 57. Arrange the following four "firsts" in chronological order.

- A. the first manned space flight
- B. the first use of the chorus in a symphony
- C. the first use of pointillism
- D. the first American President awarded the Nobel Peace Prize

Answer: B, C, D, A (note: 1961, 1824, 1886, 1906)

MS 58. Match each of the four organizations to the correct person or description.

<u>Organizations</u>	<u>Persons/Descriptions</u>
1. the Masons	A. Louis XIV
2. Phi Beta Kappa	B. Charles II
3. l'Académie Française	C. claim origin with Builders of the Temple of Jerusalem
4. Royal Society	D. scholastic honor society

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

SS 59. Which one of the following four is not a way by which a case comes before the Supreme Court?

- A. appeal
- B. writ of certiorari
- C. certificate
- *D. remand

(Source: Magruder's American Government, p. 523)

To answer the next two-part question, you will need the following information.

In field mice, gray coat color is dominant over black coat color. Within a given population, four percent of the mice are black.

SCI 60. This is a two part question. Part 1: What percent of the population is heterozygous for this coat color gene? Part 2: What is the frequency of the allele (ah leel') for gray coat color?

Answer: Part 1: 32
Part 2: 0.8 (accept: 80%)
(Source: Biology, Campbell, p. 442, Hardy-Weinberg cross)

For the next question you will hear the recording in French, Spanish and German (FL tape 6-7, no handout). You are to answer the question in English.

FL 61. In which season could this invention be of most service?

Answer: winter

SS 62. Name the three large islands which, along with Italy, form the boundaries of the Tyrrhenian Sea.

Answer: Corsica, Sardinia, Sicily

ENG 63. Match each of the four works to its opening passage.

<u>Works</u>	<u>Passages</u>
1. "Endymion"	A. "As Gregor Samsa awoke one morning from uneasy dreams, he found himself transformed in his bed into a gigantic insect."
2. "Meditation 17"	B. "Perchance he for whom this bell tolls may be so ill as that he knows not it tolls for him...."
3. <u>The Metamorphosis</u>	C. "A thing of beauty is a joy forever."
4. <u>A Tale of Two Cities</u>	D. "It was the best of times, it was the worst of times."

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

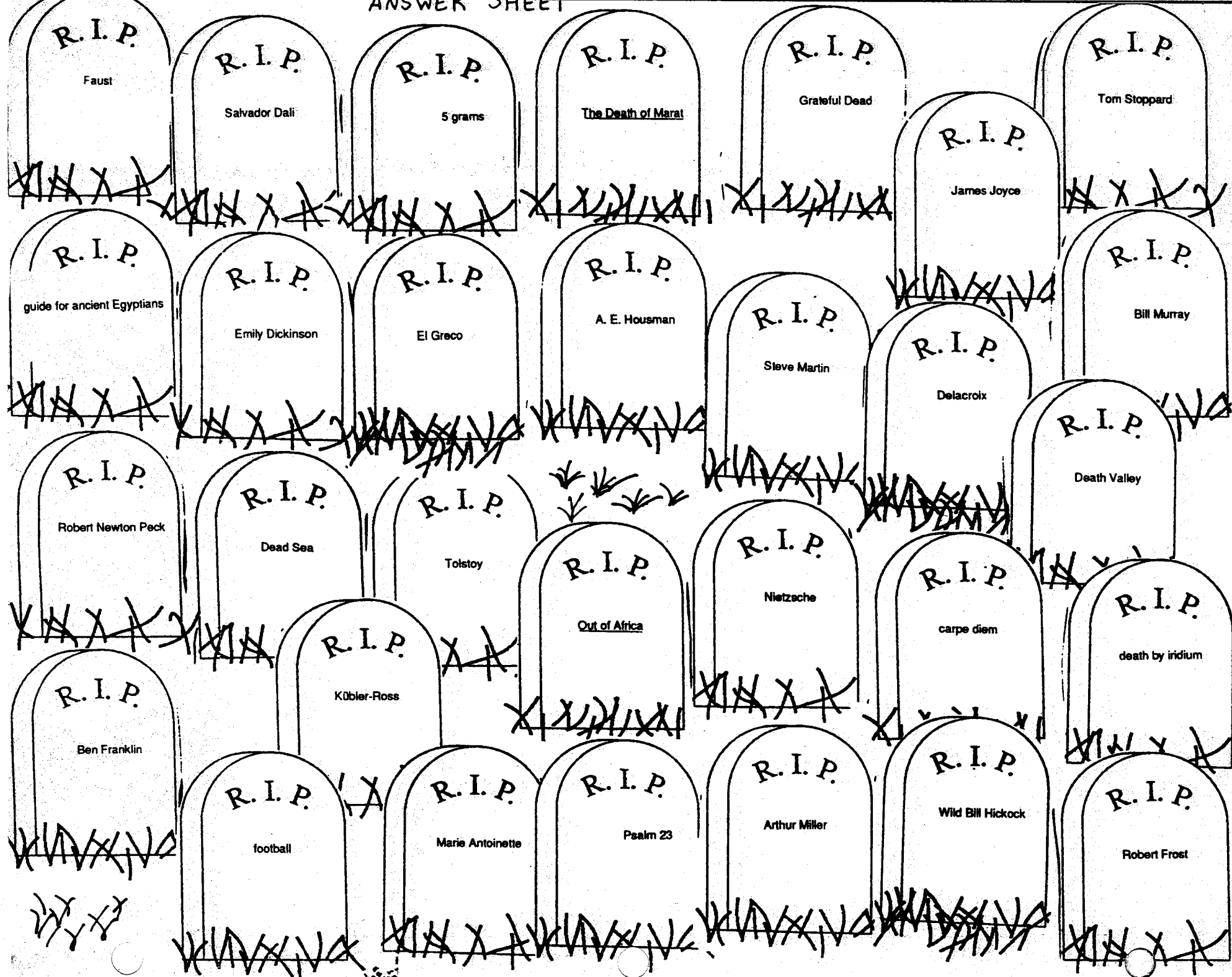
MATH 64. Find the value of x in the following equation: $3^{5x} = 9^{2x+1}$. (Read "3 raised to the 5x power equals 9 raised to the 2x plus 1 power.")

Answer: $x = 2$

HUM 65. Match each of the four authors to his book about the ideal state.

<u>Authors</u>	<u>Books</u>
1. Sir Thomas More	A. <u>The Republic</u>
2. B.F. Skinner	B. <u>Utopia</u>
3. Plato	C. <u>Erewhon</u>
4. Samuel Butler	D. <u>Walden II</u>

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



Tolstoy

Out of Africa

Bill Murray

Grateful Dead

carpe diem

Nietzsche

Death Valley

death by iridium

The Death of Marat

football

Dead Sea

Tom Stoppard

Kübler-Ross

Robert Frost

Ben Franklin

Salvador Dali

Psalm 23

A. E. Housman

Steve Martin

Wild Bill Hickock

5 grams

10 grams

Arthur Miller

Anne Sexton

Emily Dickinson

James Joyce

Robert Newton Peck

Willa Cather

guide for ancient Egyptians

El Greco

Marie Antoinette

Faust

Delacroix

R.I.P.

speaker 2

R.I.P.

slide 3

R.I.P.

If a radioactive substance has a half-life of 10 years, how much remains of a 40-gram sample after 30 years?

R.I.P.

slide 1

R.I.P.

recently lost their keyboardist

R.I.P.

Rosenkrantz and Guilderstein Are Dead

R.I.P.

"The Dead"

R.I.P.

Book of the Dead

R.I.P.

"Because I could not stop for Death—
He kindly stopped for me—"

R.I.P.

speaker 1

R.I.P.

"To An Athlete Dying Young"

R.I.P.

Dead Men Don't Wear Plaid

R.I.P.

slide 2

R.I.P.

selection 1

R.I.P.

A Day No Pigs Would Die

R.I.P.

lowest point on earth

R.I.P.

Death of Ivan Ilych

R.I.P.

selection 2

R.I.P.

"God is dead."

R.I.P.

Dead Poet's Society

R.I.P.

death of the dinosaurs

R.I.P.

"...in this world nothing is certain but death and taxes."

R.I.P.

On Death and Dying

R.I.P.

dead ball foul

R.I.P.

speaker 3

R.I.P.

"...through the valley of the shadow of death..."

R.I.P.

Death of a Salesman

R.I.P.

Deadwood

R.I.P.

"Death of the Hired Man"

End of 15-point round.

Begin 30-point team question.

Read: For this team question you will be given Handouts 6-8 and 6-8A. You will hear the taped recording of two musical selections.

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

You will be given 5 minutes. Please identify one handout as your team answer sheet in the upper left-hand corner.

Play tape. ("Ya Got Trouble" and "Pinball Wizard")

Begin.

Time 5 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 | 16. hunting (human beings) |
| 2. D | 17. Russian roulette |
| 3. A | 18. frog jumping (contest) |
| 4. C | 19. race (between animals) |
| 5. 1930's | 20. baseball |
| 6. <u>The Music Man</u> | 21. football |
| 7. pool (accept: billiards) | 22. pool or billiards |
| 8. <u>Carmen</u> | 23. bullfighting |
| 9. Bizet | 24. C |
| 10. craps (accept: dice) | 25. 655 |
| 11. <u>Tommy</u> | 26. C |
| 12. pinball | 27. A |
| 13. The Who | 28. B |
| 14. billiards, pool | 29. Sherman Antitrust Act |
| 15. Charles Dodgson | (accept: barajas for cartas) |
| | 30. Spanish: jugar a las cartas |
| | French: jouer aux cartes |
| | German: (Mit) Karten spielen |

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 6-8

Team # _____

The Name of the Game

Match the type of monopoly with the correct example.

<u>Monopolies</u>	<u>Examples</u>
_____ 1. natural monopoly	A. copyright or patent
_____ 2. geographic monopoly	B. public utilities
_____ 3. technological monopoly	C. state-operated lottery
_____ 4. government monopoly	D. single drugstore in a town

5. During what decade was the game of Monopoly developed? _____

Harold Hill, a would-be band director arrived in River City, falls in love with Marian the librarian, and sings the first musical selection played which refers to an evil game influencing the local youth.

6. Name the musical. _____

7. Name the game referred to in the selection. _____

Name the title and the composer of the French opera which features the characters Frasquita, Mercedes, and the title character in the famous "Card Trio."

8. Title _____

9. Composer _____

10. In the 1957 Broadway musical, Guys and Dolls, Sky Masterson and his cronies sing the famous "Luck be a Lady." To what game does the song refer? _____

The beeps and buzzes of this game captured the imagination of a young boy whose name is the title of an early 1970's rock opera from which selection two was taken.

11. Name the opera. _____

12. Name the game expertly played by the young boy. _____

13. Name the musical group which recorded the score for this opera. _____

14. Identify the game that would be played in the center of Vincent Van Gogh's painting The Night Café. _____

15. Identify the first and last real names of the author of Alice in Wonderland in which the Queen of Hearts is a character.

Identify the game played in each of the following.

- _____ 16. "The Most Dangerous Game"
_____ 17. The Deer Hunter
_____ 18. "The Celebrated Jumping Frog of Calaveras County"
_____ 19. "The Tortoise and the Hare"

Handout 6-8A

Team # _____

Identify the game or sport that serves as the background for the following novels or movies.

- _____ 20. The Natural
- _____ 21. The Longest Yard
- _____ 22. The Color of Money
- _____ 23. Death in the Afternoon

24. Which one of the following four games were the characters playing in The Rape of the Lock?

- A. chess
- B. bridge
- C. ombre
- D. pinochle

Tommy was playing pinball at the local arcade. After playing one ball, he realized that he had hit the 15-point bumper three times as many times as he had hit the 20-point bumper. He also knew he had hit the 100-point bumper one less time than the quotient of the 15-point and 20-point hits. Being blind, Tommy doesn't know his score, but always scores at least 600 points per ball.

25. What is his least score? _____

Match the game with the law or principle that differentiates the type of fun of each game. Each law or principle is used only once.

<u>Games</u>	<u>Laws or Principles</u>
_____ 26. air hockey	A. conservation of linear momentum
_____ 27. bumper cars	B. conservation of angular momentum
_____ 28. the Mad Hatter's tea cups	C. Newton's first law

29. Name the 1890 U.S. law which made a monopoly or the conspiracy to monopolize illegal.

30. Write the equivalent for "to play cards" in either Spanish, French, or German.