

Froshmore HFA and Literature

# Round Three

Read only for Round Three

## **Officials Checklist and reminders:**

- 1.) Review this checklist and reminders document and the rules flow chart. \_\_\_\_\_
- 2.) Pencils and fresh scratch paper for each participant \_\_\_\_\_
- 3.) Timer instructions \_\_\_\_\_
- 4.) Identify the head coach for each team. \_\_\_\_\_
- 5.) Identify the team captain. \_\_\_\_\_
- 6.) Review the pumpernickel rule \_\_\_\_\_

Accept only the answer to the bonus question that comes from the captain.

The captain may defer to another team member to give the answer to the bonus question.

If you want them to indicate a deferral in a specific way – tell them at the beginning of the match. “If you are going to defer on a bonus question, please do so by ....”

**Coaches may use an ipad or table to keep score (I've sent out an excel score sheet) They may not use their ipad, phone or other technology to look up answers, send or received text messages or emails or to make calls during competition.**

Before you begin, remind students that on a toss-up question they must buzz-in and be recognized before giving the answer and that they may NOT confer on a toss-up. You may only confer on a bonus question.”

When you read a toss-up question – identify the subject, then read the question.

If the team member buzzes-in before the question is completed and the answer is incorrect, say ‘incorrect, I will finish the question’ then finish reading the question.

If you have finished reading the question when the first team buzzes-in and gives an incorrect response say ‘incorrect,’ look at the second team call them by team name and say ‘\_\_\_\_\_ I have finished the question’

If the time has expired, their response should be to immediately buzz-in to be recognized. If there is still time (5 seconds for a regular question 15 on a math computation) they have the remaining time to buzz. If the toss-up question is not answered correctly by either team, give the correct answer. Do NOT read the bonus question, go on to the next toss-up. **If you need a replacement question for this subject, you may use the unused bonus.**

The first time you read a bonus question for each team say ‘Here is your bonus question, you do not need to buzz-in. Remember you may confer on this question, and I will take the answer from the team captain.’

There is NOT a penalty for buzzing during a bonus question.

**When the time for conferring has expired** (10 seconds – 15 on math or science computation) **call for the answer.** Say, 'Captain?' or 'answer please' (or something similar). If they do not give you an immediate answer say 'time' and give the correct answer.

There is no limit to the number of team members a team substitutes.

On a toss-up question, do not give the correct response until you have given both teams an opportunity to answer the question.

Leading articles such as "the," "an," and "a" are not required (e.g., Tale of Two Cities is an acceptable answer for The Tale of Two Cities). However, if an article is given, it must be the correct one.

Plural/Singular answers are acceptable unless otherwise delineated.

Last names are acceptable, except where there is more than one common person in the same field. Prompt for more information by saying – ‘more’ or ‘more specific’.

**Questions requiring additional computation time (15 seconds) have computation in the subject line - MATH COMPUTATION: or SCIENCE COMPUTATION: or BONUS**

**COMPUTATION:** (If it needs it and we forgot it, add it!)

**Math or Science questions that do not require computation and receive regular question time (5 for toss-up and 10 for bonus) do not have computation in the subject line - MATH: or SCIENCE: or BONUS**

Explain the addition of the word Computation to the timer and the team at the beginning of the tournament. After the first question containing COMPUTATION: You may choose to say only Computation if you wish.

Give your stall count before the game starts. A stall count is the amount of time allowed for the student to begin their answer once you've called on them. "My stall count is \_ \_ \_." Fill in the blanks with your count. Do you count 1, 2, stall? 1, 2, 3, stall? Do you say stall on the upbeat of the 3rd second or the downbeat? My preference is you count 1(1001), 2(1002), 3(1003) with stall being called on the downbeat of 3. (Down beat being the end of the 1003 with 100stall. You do not have to say the 1000 or the second 1, 2 or 3 out loud. You do need to make some type of physical indication - head nod, hand count (like a basketball referee counting the backcourt) even a foot tap. But do something so the student can see the seconds slipping away. This also helps with consistency. Neither team can say the other team received more time before a stall was called. When an immediate answer is expected 1 second is adequate time to allow before a stall is called.

"Welcome to Round Three of the tournament. I am \_\_\_\_\_, your moderator. (if you have a judge, timer and scorekeeper, introduce them as well) Our two teams are \_\_\_\_\_ and \_\_\_\_\_. Head coaches, will you please stand. A protest may be lodged only by the head coach." (run a buzzer check) "Students, remember, you may not give an answer until you are recognized. If you do so, it will be ruled as an incorrect response, even if your answer is correct. Explain the timing for Math or Science Computation: (see instructions) Good sportsmanship is expected from **all** players, substitutes, coaches, spectators and parents. Except for using the excel spreadsheet to keep score, you may not use computers, smart phones, iPad, etc. during the competition. Turn off all and put away all electronics at this time. Remember a player will be removed for the remainder of the game if any device is found at the table. (pause) Are there any questions? Let's begin."

- \_\_\_\_\_ 1. MATH: Given this equation:  $5x^2 + 40x + 30y + 12 = 0$   
Which conic section is formed by this equation when graphed?

ANSWER: **Parabola**

- BONUS BONUS: Given this equation:  $6x^2 - 12x + 9 = 6y^2 + 24y$   
Which conic section is formed by this equation when graphed?

ANSWER: **Hyperbola**

- \_\_\_\_\_ 2. LITERATURE: This William Goldman novel tells the story of a young woman named **Buttercup**.\* She and her true love navigate through a series of challenges. Name the book where they must defeat a vengeful prince and a band of misfit companions.

ANSWER: ***The Princess Bride***

- BONUS BONUS: Who is Buttercup's one true love?

ANSWER: **Westley**

- \_\_\_\_\_ 3. SCIENCE This fundamental force is responsible for the attraction between objects with mass.\* It is proportional to the product of the masses and inversely proportional to the square of the distance between their centers. What is this force, often associated with the weight of an object on Earth?

ANSWER: Gravity

- BONUS BONUS SCIENCE What is the term for the force that opposes the motion of an object through a fluid, such as air or water?

ANSWER: Drag

- \_\_\_\_\_ 4. HUMANITIES: This thinker developed the “veil of ignorance” to make decisions impartially. That concept by this thinker appears in a book alongside an examination of its title concept as \* fairness. *A Theory of Justice* is a work by what American political philosopher?

ANSWER: (John) **Rawls**

- BONUS BONUS: Rawls is a crucial thinker behind the modern branch of what political philosophy whose “Political” form titles another book by Rawls?

ANSWER: **Liberalism**

5. SOCIAL STUDIES: This man authored the pamphlet “On the Jews and their Lies” and compared the participants of peasant’s rebellion to crazed dogs in another work. This man argued against the practice of selling \* indulgences and defended his arguments at the Diet of Worms. Who is this author of the *95 Theses* which sparked the Protestant Reformation?

ANSWER: (Martin) **Luther**

- BONUS BONUS: With which Swiss Protestant Reformer did Martin Luther argue at the Marburg Colloquy?

ANSWER: (Ulrich) **Zwingli**

6. POP/CE: This 78-year-old pop icon was inducted into the Rock and Roll Hall of Fame in 2024.\* She’s the only woman to have a number one hit on a Billboard chart in each of the past seven decades. Name the woman who sang *Believe* and *If I Could Turn Back Time*.

ANSWER: **Cher**

- BONUS BONUS: Who was Cher’s husband and duet partner?

ANSWER: **Sonny Bono**

END OF FIRST QUARTER

*The score at the end of the first quarter is*

*Team one \_\_\_\_\_ Team two \_\_\_\_\_*

*Are there any questions?*

(pause and look at the coaches if there are no protests proceed)

*"Coaches... you may substitute if you wish.*

7. LITERATURE: It provides an overview of the storyline or main points of a work.\* It may include style, genre, characters, and setting. What is brief summary that gives audiences an idea of what a composition is about?

ANSWER: **synopsis**

- BONUS BONUS: What is the synopsis of an academic paper, lecture, or article called?

ANSWER: **abstract**

8. MATH COMPUTATION: Solve this equation for all real numbers:  $x^2 - 4x - 60 = 0$

ANSWER: (x = ) **-6 and 10**

- BONUS COMPUTATION: Solve this equation for all real numbers:  $x^3 - x^2 - 12x = 0$

ANSWER: (x = ) **0, -3, 4**

- \_\_\_\_\_ 9. FINE ARTS: An artwork created by a member of this Native American tribe is called "Greeting of the Moon God." 5 artists from this tribe attended the St. Patrick's Mission School in \* Anadarko. What is this Native American Tribe whose group of Six artists includes Jack Hokeah and Spencer Asah?

ANSWER: **Kiowa**

- BONUS BONUS: Many artworks of the Kiowa Six feature what psychoactive plant which is commonly used in Kiowa ceremonies?

ANSWER: **Peyote**

- \_\_\_\_\_ 10. SCIENCE At the end of a massive star's life it might undergo an event that leaves behind\* a black hole or neutron star. What is the name of this dramatic event that involves a powerful explosion that releases a tremendous amount of light and energy into space?

ANSWER: supernova

- BONUS BONUS SCIENCE Supernovae play a key role in producing which type of elements, essential for planet formation and life?

ANSWER: heavy elements (or elements heavier than iron)

- \_\_\_\_\_ 11. HUMANITIES: Variations of this movement spread to China and Iraq becoming Manichaeism and Mandaeism. Esoteric insight comes from knowledge of the \* supreme divinity in this religious movement. What is this religious movement, which believes the material world was created by the malevolent Demiurge?

ANSWER: **Gnosticism**

- BONUS BONUS: The Demiurge is often associated with this national God of ancient Judah. What is this God, whose name is often spelled without vowels?

ANSWER: **Yahweh** [also accept YHWH]

- \_\_\_\_\_ 12. SOCIAL STUDIES: This speech was preceded by a much longer one delivered by Edward Everett. This speech states a goal that a "government \* of the people, by the people, for the people shall not perish from the earth. "Four score and seven years ago," begins what speech by Abraham Lincoln delivered at a battlefield in Pennsylvania?

ANSWER: **Gettysburg Address**

- BONUS BONUS: The lines, "We are not enemies, but friends," and "The better angels of our nature," appear in what other speech by Abraham Lincoln?

ANSWER: (Lincoln's) **First Inaugural** (Address) [do NOT accept Second Inaugural; prompt on Inaugural]

END OF FIRST HALF

*The score at the end of the first half is  
Team one \_\_\_\_\_ Team two \_\_\_\_\_  
Are there any questions?*

(pause and look at the coaches if there are no protests proceed)  
*"Coaches... you may substitute if you wish.*

- \_\_\_\_\_ 13. LITERATURE: He's considered by many to be America's greatest playwright.\* He was also a screenwriter. Name the author of *A Streetcar Named Desire* and *Cat on a Hot Tin Roof*.

ANSWER: **Tennessee Williams**

- BONUS BONUS: Which Tennessee Williams play follows the lives of a family of three, mother Amanda and two adult children Laura and Tom, as they struggle to deal with a changing world in which they do not fit?

ANSWER: **The Glass Menagerie**

- \_\_\_\_\_ 14. MATH COMPUTATION: If  $x = 5$  and  $y = -2$ , evaluate  $x^2 + y^2 - 6xy$

ANSWER: **89**

- BONUS BONUS COMPUTATION: If  $x = 64$ ,  $y = 6$ , and  $z = -1$ , evaluate  $17z^2 + 4yz + \sqrt[3]{x}$ .  
[READ: seventeen Z squared plus four Y Z plus the cube root of X]

ANSWER: **-3** [negative three]

- \_\_\_\_\_ 15. FINE ARTS: A song by this artist begins, "It's 4 in the morning, the end of December" and appears in his album *Songs of Love and Hate*. "Famous Blue \* Raincoat," is a song by this artist, who included the line, "She broke your throne and she cut your hair" in a song that was covered by Jeff Buckley. Who is this Canadian-Jewish songwriter of "Hallelujah?"

ANSWER: (Leonard) **Cohen**

- BONUS BONUS: Daniel Kahn covered Cohen's Hallelujah by translating it into what language, a dialect which combines Hebrew and German?

ANSWER: **Yiddish**

- \_\_\_\_\_ 16. SCIENCE This descriptor can be used for a substance that is symmetrical and does not interact in a magnetic field.\* What is this description used for typically carbon-chain molecules that do not contain partial positive or partial negative charges?

ANSWER: non-polar

- BONUS BONUS SCIENCE What is the name of the simplest non-polar hydrocarbon, with formula CH<sub>4</sub> (read C-H-4)?

ANSWER: methane

- \_\_\_\_\_ 17. HUMANITIES: A 12-meter high sculpture featuring a stack of these things is found on Berlin's Walk of Ideas. The Dresden Codex is the oldest example of these things produced in America alongside the \* Florentine Codex. What are these things, whose mass production was made possible by the invention of the printing press?

ANSWER: **Books**

- BONUS BONUS: What German inventor enabled the mass production of books with the invention of the printing press?

ANSWER: (Johannes) **Gutenberg**

- \_\_\_\_ 18. SOCIAL STUDIES: **The Account of Ancient Matters or the “Kojiki” is an assemblage of the mythology of this country. The Genpei War occurred in this country, where the Battle of Shiroyama was won by army of the \* Meiji Emperor.** What is this country, whose Three Great Unifiers include Oda Nobunaga and Toyotomi Hideyoshi?

ANSWER: Japan

- BONUS BONUS: The Battle of Shiroyama was a defeat for Saigo Takamori and is commonly known as the “Last Stand,” of what traditional Japanese warrior class?

ANSWER: Samurai

END OF THIRD QUARTER

*The score at the end of the third quarter is*

*Team one \_\_\_\_\_ Team two \_\_\_\_\_*

*Are there any questions?*

(pause and look at the coaches if there are no protests proceed)

*"Coaches... you may substitute if you wish.*

- \_\_\_\_ 19. POP/CE: **This newspaper wants reserachers to stop using its articles to train AI models.\*** The AI platform Perplexity was sent a cease-and desist letter by the newspaper. Name the paper that also previously sued OpenAI and Microsoft for the same thing.

ANSWER: New York Times

- BONUS BONUS: Which tech entrepreneur is the backer for Perplexity?

ANSWER: Jeff Bezos

- \_\_\_\_ 20. MATH COMPUTATION: The hypotenuse of a right triangle is 17 meters long; one leg is 15 meters long.

What is the area of this triangle in square meters?

ANSWER: **60** (square meters)

- BONUS BONUS COMPUTATION: A rectangular carpet is 18 feet by 15 feet. If carpet costs \$9.50 per square yard, how much would a new carpet cost?

ANSWER: **\$285**

- \_\_\_\_ 21. LITERATURE: **It centers on the adventures of the only man to survive the destruction of Earth.\*** It is while roaming outer space that he comes to learn the truth behind Earth's existence. What is the novel adaptation of a BBC comedy science fiction franchise?

ANSWER: The Hitchhiker's Guide to the Galaxy

- BONUS BONUS: Who is the author of *The Hitchhiker's Guide to the Galaxy*?

ANSWER: Douglas Adams

- \_\_\_\_\_ 22. SCIENCE This is the description of a gene that contains both of the same type of allele\* such as either both dominant or both recessive alleles. What is the descriptor that means “same yolk”?

ANSWER: homozygous

- BONUS BONUS SCIENCE If one parent is homozygous dominant and the other parent is homozygous recessive, what is the percent chance a first generation offspring will be homozygous dominant?

ANSWER: 0

- \_\_\_\_\_ 23. SOCIAL STUDIES: The oath of office at this man’s first inauguration was misread by John Roberts. The acronym PUMA was used for supporters of an opponent of this man, Hilary \* Clinton. Who is this man, who defeated Hilary Clinton in the 2008 Democratic Primary before defeating John McCain to become the first African-American US President?

ANSWER: (Barack) **Obama**

- BONUS BONUS: What former governor of Massachusetts and later Senator of Utah did Obama defeat in the 2012 presidential election?

ANSWER: (Mitt) **Romney**

- \_\_\_\_\_ 24. FINE ARTS: This musician sang the “Starship” verse on the song “Highwayman.” Another song by this musician tells the story of a man who was sent to prison for shooting a man in \* Reno “just to watch him die.” “Folsom Prison Blues,” is by what country music artist of “Ring of Fire?”

ANSWER: (Johnny) **Cash**

- BONUS BONUS: What song by Cash begins, “I keep a close watch on this heart of mine,” and describes doing the title action, “Because you’re mine?”

ANSWER: (I) **Walk the Line**

END OF GAME

*The score at the end of the game is*

*Team one \_\_\_\_\_*

*Team two \_\_\_\_\_*

If there is a tie allow for substitution before you ask the tie-breaker questions. Read all 5 to determine the winner.

**Tie Breakers**

FINE ARTS: This country produced the composers of *Dido and Aeneas* and *The Planets*. What country did Gustav Holst and Henry Purcell come from?

ANSWER: **United Kingdom** [also accept UK or England, but do NOT accept Scotland, Wales, or Northern Ireland]

HUMANITIES: What thinker wrote the line, “Hell is other people,” in his play *No Exit*?

ANSWER: (Jean-Paul) **Sartre**

HUMANITIES: The Battle Royale opens what book about African-American life by Ralph Ellison?

ANSWER: **Invisible Man** [do NOT accept The Invisible Man]

FINE ARTS: What photographer of *Monolith, the Face of Half Dome* and many other photographs of Yosemite National Park founded the F/64 movement?

ANSWER: (Ansel) **Adams**

LITERATURE: She wrote her own foreword for her book, *The Bluest Eye*. Name this American novelist.

ANSWER: **Toni Morrison**

***Are there any questions? ( pause and look at the coaches if there are no protests proceed)  
This ends the game. "***