

## Playoff Round 2

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### Regulation Tossups

(1) **At the end of one novel by this author, the jazz musician Pablo picks up the dead prostitute Hermine [[ehr-MEEN]] and places her in his pocket. The title character of that novel created by this author experiences visions within the (+) Magic Theater. Another novel by this author depicts the protagonist's relationship with Kamala in a novel that fictionalizes the life of (\*) the Buddha. For the point, name this German author of *Siddhartha* and *Steppenwolf*.**

ANSWER: Herman **Hesse**

(2) **At the opening of this battle, Operation Shingle involved landing 36 thousand troops in the namesake port as well as the neighboring town of (+) Cassino. The 5th Army's replacement leader, Lucien Truscott, managed a breakthrough during this battle, forcing Field Marshal Albert Kesselring to retreat German forces to the (\*) Gothic Line. For the point, name this 1944 battle in the Italian Campaign which ended with an Allied capture of Rome.**

ANSWER: Battle of **Anzio**

(3) **According to the "stretch rule," this quantity is not changed by deforming an object in the direction of the principal axis. For a simple pendulum, this quantity is equal to the (+) mass times radius squared. Two axes of rotation and perpendicular distance are used to calculate this quantity in the parallel axis theorem. This quantity is multiplied by angular momentum to give (\*) torque. For the point, name this quantity, the rotational analog of mass.**

ANSWER: Mass **moment of inertia** (or **Rotational inertia**; or **Angular mass**; or **Second moment of mass**; prompt on "moment" or "inertia")

(4) **One of this person's partners, Nelson Algren, was cast as the character Lewis Brogan in this author's work, *The Mandarins*. In one treatise, this person declares, (\*) "One is not born, but rather becomes a woman." In *She Came to Stay*, this feminist gave a fictional account of her open relationship with (\*) Jean-Paul Sartre [[SAHRT]]. For the point, name this author of *The Second Sex*.**

ANSWER: Simone de **Beauvoir**

(5) **Paul Freart de Chantelou [[fre-AHR duh shahn-tah-LOO]] is known for his diary describing this man's visit to Paris, during which he was commissioned to work on the royal palace of the (\*) Louvre by King Louis XIV. This designer of the Baldacchino [[bal-dah-KEE-noh]] in St Peter's Basilica also designed St Peter's Square. Some of this man's most prominent works sit in the Piazza Barberini and Navona in Rome and include the (\*) Triton Fountain. For the point, name this Italian sculptor and architect.**

ANSWER: Gian Lorenzo **Bernini** (or Giovanni **Lorenzo**)

(6) **In addition to Ubik, this author set another novel after World War Terminus and features the use of an "empathy test" to distinguish humans from the (+) title beings. In that novel, this author depicted Rick Deckard in a post-apocalyptic San Francisco as he "retires" six escaped (\*) androids. For the point, name this American science fiction writer, whose Do Androids Dream of Electric Sheep was adapted into the movie Blade Runner.**

ANSWER: Philip K(indred) **Dick**

(7) **This empire was succeeded by the Dendi Kingdom, having collapsed after its defeat by Judar Pasha at the Battle of Tondibi, which included the razing of the Taghaza (+) salt mines. This empire's first dynasty was overthrown by Muhammad Ture, who renamed himself Askia Muhammad. This empire, which was ruled from Gao [[GOW]], was founded by (\*) Sunni Ali. For the point, name this empire that succeeded Mali as the hegemonic power of West Africa.**

ANSWER: **Songhai** Empire

(8) **Rodents have been found to possess "place cells" in this structure that activate when entering familiar locations. The dentate gyrus [[DEN-tait [AI-russ]] of this structure can grow new (+) neurons. In the HM case study, this structure was removed to treat severe epilepsy. This structure, which is a part of the brain's limbic system, is surrounded by the (\*) entorhinal [[en-toh-"RYE"-nal]] cortex. For the point, name this region of the brain, important to memory, whose name comes from Latin for "seahorse."**

ANSWER: **Hippocampus** (prompt on "brain" before mentioned)

(9) **In Sikhism, this holiday is celebrated by practicing martial arts and eating vegetarian foods. During one part of this holiday, women use long staves called lathis to (+) attack shielded men. This holiday celebrates Prahlada's survival after being burned on a pyre. This holiday's first night is a celebration of the burning of an effigy representing a (\*) female demon. For the point, name this Hindu spring festival, during which celebrants throw brightly colored powder.**

ANSWER: **Holi** (or Festival of **Love** or Festival of **Colors** or Festival of **Spring**; accept **Hola Mohalla**)

(10) **This mathematician wrote the first ever algorithm for a machine, which was intended to be used on a project called the Analytical Engine. A computer (+) language named for this person is used today by the U.S. Department of Defense. This scientist worked with Charles Babbage on the first computer. This theoretician was the only legitimate (\*) daughter of Lord Byron. For the point, name this woman often credited with writing the first computer program.**

ANSWER: Ada **Lovelace**

(11) **Near the beginning of this novel, one character is trapped in a crucible and heated up until he has fiery eyes. That character from this novel later learns that his attempts to leap around the (+) world never left the palm of the Buddha. In one translation, characters in this novel are given the names Piggy and Sandy. That translation of this novel by Arthur Waley is published under the title (\*) *Monkey*. For the point, name this classic Chinese novel by Wu Cheng'en, which depicts Xuánzàng [[SWAHN-ZAHNG]] and Sun Wukong's trip to India.**

ANSWER: ***Journey to the West*** (or ***Xī Yóu Jì***; accept ***Monkey*** before mentioned)

(12) **This man openly called the "Congress Kingdom" ordered by the Congress of Vienna a "joke" and refused to return to his homeland to join its army. To bolster the strength of his namesake (+) uprising, this nobleman liberated and armed former serfs known as "Scythemen" until a defeat at Praga. This European, who initially served as military attaché to (\*) Horatio Gates, built the fortification at West Point. For the point, name this chief engineer of the Revolutionary army, a Polish hero of the late-18th century.**

ANSWER: Tadeusz **Kościuszko** [[TAH-deh-ooss koh-SHOO-skoh]] (be lenient on pronunciation)

(13) **This process is up- and down-regulated by HAT and HDAC respectively. The binding site for this process's preinitiation complex is the Pribnow box in prokaryotes [[pro-KAY-ree-oats]]. This process's product is attached to a (+) poly-A tail. HIV has an enzyme that allows it to perform this process in reverse. During this process's elongation step, thymine is (\*) replaced with uracil [[YOO-rah-sil]].** For the point, name this process in which a DNA template is used to create messenger RNA prior to translation.

ANSWER: **Transcription** (accept word forms like **Transcribing**; prompt on "gene expression")

(14) **This author of *Six Months in Mexico* married manufacturer Robert Seaman and took over Iron Clad Manufacturing after his death. An inventor in her own right, this woman owned patents for a (\*) novel milk can and a stacking garbage can. With two days notice, this investigative journalist boarded the steam liner *Augusta Victoria* to top a feat accomplished by the fictional (\*) Phileas Fogg.** For the point, name this American woman who traveled around the world in 72 days.

ANSWER: Nellie **Bly** (accept Elizabeth Jane **Cochran**; accept **Elizabeth Jane Cochran Seaman**)

(15) **This region's Porcupine Mountains are home to the Lake of the Clouds. This region has been the subject of several attempts to form a 51st state under the name (+) "Superior." This region's largest cities are Sault [[SOO]] Sainte Marie and Marquette. This peninsula's eastern end is separated from the (\*) mainland by the St. Mary's River.** For the point, name this peninsula which is connected to the southern portion of Michigan by the Mackinac [[MAK-ih-naw]] Bridge.

ANSWER: **Upper** Peninsula (accept the **U.P.**; prompt on "Michigan" before mentioned)

(16) **Along with Valhalla, this deity's hall of Fólkvangr [[FOLK-vahn-ger]] was a destination for those who died in battle. This deity owned a cloak that turned its wearer into a hawk. Due to the absence of her (+) husband, Odr, this goddess cries tears of gold. While disguised as this goddess, Thor pretended to marry the giant Thrym to retrieve Mjólnir [[MYUHL-neer]]. This daughter of Njord [[NYORD]] rode in a (\*) chariot pulled by cats.** For the point, name this Norse goddess of love, the sister of Freyr.

ANSWER: **Freyja** [[FRAY-ah]] (be lenient on pronunciation; do not accept or prompt on "Freyr")

(17) **One of this man's works depicts a man in meditation wearing a cloak featuring the Greek letter Tau, with a pig by his side. Philip II of Spain acquired many of this man's paintings, which include (\*) *The Seven Deadly Sins and the Four Last Things* and his *Haywain Triptych*. Many of this man's works were triptychs, including his best known work (\*) *The Garden of Earthly Delights*. For the point, name this Early Netherlandish artist.**

ANSWER: Hieronymus **Bosch** (or Hieronymus **van Aken**; accept Jheronimus in place of Hieronymus)

(18) **This man's wife was arrested in February 2021 and sentenced to life in prison plus thirty years for continuing to run his business. In 2013, this man became the first person since Al Capone to be named (+) "Public Enemy Number One" by the Chicago Crime Commission. This man was serialized in a Netflix drama that details his (\*) escapes in 2001 and 2015. Born in Sinaloa, for the point, who is this Mexican drug kingpin?**

ANSWER: **El Chapo** (or Joaquín **Guzmán**)

(19) **This writer's name has been affirmed as a trademark by the Library of Congress, which explains the fifteen books published in his name twenty years after his death. This American wrote over 100 (+) sports fiction books for children, including traditional sports such as football and baseball as well as dirt bike racing and (\*) skateboarding. For the point, name this author of books such as *The Kid Who Only Hit Homers* and *Soccer Scoop*.**

ANSWER: Matt **Christopher**

(20) **This compound can be synthesized by reacting carbon monoxide and methanol in the presence of a rhodium catalyst. When this compound is entirely dehydrated, it becomes its (+) glacial form and forms ice-like crystals at 61.9 degrees Fahrenheit. This compound, which is produced in the Cativa and Monsanto processes, is among the simplest (\*) carboxylic acids. For the point, name this weak acid with formula CH<sub>3</sub>COOH, which is diluted to form vinegar.**

ANSWER: **Acetic** acid (or **Ethanoic** acid; accept **CH<sub>3</sub>COOH** before mentioned; prompt on "vinegar" before mentioned)

(21) **This shape is used to approximate integrals in Simpson's rule. This shape is cut out of a cone if the cutting angle is parallel to one of the lines forming the cone. Every point on this shape is (+) equidistant from its focus and directrix. The axis of symmetry of this shape is calculated by the formula negative "b" over two "a." The x-intercepts of this shape can be found using the (\*) quadratic formula. For the point, name this shape that is plotted by the graph "y" equals "x" squared.**

ANSWER: **Parabola**

(22) **Eugène Delacroix [[yoo-ZHEN deh-la-KWAH]] painted this man at the piano and his lover, novelist George Sand, in a double portrait. Auguste Francombe [[frahn-SHOHM]] composed much of the cello and violin arrangements for this composer's (\*) Mazurkas. In this composer's native nation, the 1830 November Uprising against the Russian Empire inspired his (\*) "Revolutionary Etude," which he dedicated to his contemporary, Franz Liszt. For the point, name this Polish-born composer who wrote "The Minute Waltz."**

ANSWER: Frédéric **Chopin**

(23) **Karl Mauch linked this city to King Solomon and the Queen of Sheba. In the late 1800s, many artifacts from this city were taken and sold to Cecil (+) Rhodes. This city contains a thirty-foot tall conical tower in its "Great Enclosure." This city's best known artifacts are a set of eight soapstone (\*) birds. For the point, name this ruined Medieval African city, which lends its name to a country whose capital is Harare.**

ANSWER: **Great Zimbabwe** (accept **Zimbabwe** before "country"; prompt on "Zimbabwe" after "country" is mentioned)

(24) **This author's poem "Strange fits of passion have I known" is often included in his "Lucy Poems." This author wrote "A poet could not but be gay. / In such a jocund company" in reference to a (+) field of flowers. One of this author's poems recounts walking along the River Wye with his sister, Dorothy. With Samuel Taylor Coleridge, this author penned the (\*) Lyrical Ballads. For the point, name this British poet, the author of "I wandered lonely as a cloud" and "Tintern Abbey."**

ANSWER: William **Wordsworth**

(25) **One of these phenomena in East Asia is the primary driving force in the formation of the soils of the Loess Plateau. One of these phenomena originating in the Mexican plateau primarily impacts (+) Arizona, New Mexico, and Southern California. A winter example of these phenomena is responsible for the seasonal reversal of the Somali Current. Another of these phenomena originates from the boundary formed by the (\*) Tibetan Plateau and the Himalayas. For the point, name these seasonal wind reversals which bring extremely heavy rains.**

ANSWER: **Monsoon** (accept Southwest **monsoon**; accept North American **monsoon**; accept Northeast **monsoon**)

(26) **When a member of this group attains the higher OT levels, they are exposed to knowledge of the "space opera." The founder of this group believed that Xenu [[ZEE-noo]] brought (\*) alien beings to Earth and wiped them all out with nuclear weapons. In Dianetics, this group's founder stated that humans can reach the Thetan "state of being" via (\*) auditing. John Travolta and Tom Cruise are prominent members of, for the point, what movement founded by L Ron Hubbard?**

ANSWER: Church of **Scientology** (or **Scientologists**)

(27) **On this river, the Inga Dams are the first hydroelectric dams, and Pool Malebo is a lake-like widening in the lower reaches of this river, the location of Livingstone (+) Falls. This river's system includes the Chambeshi and the Lualaba, but it is given its more common name below the Boyoma Falls. Separating the capital cities of (\*) Brazzaville and Kinshasa, for the point, what is this deepest river in the world which shares its name with two central African countries?**

ANSWER: **Congo** River (accept **Congo**-Lualaba-Chambeshi River system)

(28) **This program's projects are zero-indexed since its first project failed before it was named. An anomaly named for this program was later explained by radiation pressure. This program created a (+) plaque depicting a man and a woman to explain humanity to extraterrestrials and was the first program to attempt a (\*) moon mission. For the point, name this program whose space probes 10 and 11 became the first manmade objects to leave the solar system.**

ANSWER: **Pioneer** program(s)

(29) **The peace talks that preceded this treaty were negotiated by Nicholas Trist. This treaty was ratified by the U.S. Senate by a vote of 38-14 in spite of Whig opposition. One of the main reasons for their opposition to this treaty was their rejection of the idea of (+) manifest destiny and disagreement with expansion of the U.S. to the present-day (\*) Southwest. For the point, name this treaty that was a precursor to the Gadsden Purchase and which ended the Mexican-American War.**

ANSWER: Treaty of **Guadalupe-Hidalgo** (or Tratado de **Guadalupe Hidalgo**; accept Treaty of **Peace, Friendship, Limits and Settlement between the United States of America and the Mexican Republic**)

(30) **Following a twist ending in one of this author's plays, the audience is asked to not reveal the plot. That play by this author is the longest-running West End show. (\*) The Mouse Trap. One of this author's creations is a mustachioed Belgian detective depicted in works such as (\*) The Murder of Roger Ackroyd. For the point, name this English mystery writer and creator of Hercule Poirot [[ehr-KY00L pwah-ROH]], the author of Curtain and Murder on the Orient Express.**

ANSWER: Agatha **Christie**





### Extra Questions

(1) **German noble Theodor von Neuhoff temporarily seized control of this region and declared himself king after meeting exiles in Genoa. Ionian Greeks were expelled from this island after the Battle of (+) Alalia [[ah-lah-LEE-ah]] by a joint force of Etruscans and Phoenicians. This island's largest city and capital is Ajaccio [[ah-JAH-tsee-oh]], which is home to the Maison (\*) Bonaparte. For the point, name this Mediterranean island north of Sardinia, the birthplace of Napoleon.**

ANSWER: **Corsica** (or **Corse**)

(2) **This philosopher's writings were misrepresented when given to the Nazi party by his sister, Elisabeth Förster. This philosopher included self-laudatory chapters such as "Why I Write Such Good Books" in his autobiography. (\*) Ecce Homo. In *The Gay Science*, this philosopher introduced the phrase (\*) "god is dead." For the point, name this German philosopher, who wrote *Thus Spoke Zarathustra* and *Beyond Good and Evil*.**

ANSWER: Friedrich Wilhelm **Nietzsche**