1. US Literature
She won a Pulitzer Prize for a novel about Claude Wheeler, who fights in World War One. That novel was titled *One of Ours*. Though this author lived in and visited many places, she is always associated with her childhood home in Red Cloud, Nebraska. Name this author of *The Song of the Lark*, *Alexander's Bridge*, *Death Comes for the Archbishop*, *O Pioneers*, and *My Antonia*.

ANSWER: (Willa) Cather

2. Calculus/Combinatorics (30 Seconds)
What is the slope of the tangent line to the graph of y equals tangent x at the point (pi/3,Root 3)?

ANSWER: 4

3. Music
The lyrics to this song start out: "We are trav'ling in the footsteps Of those who've gone before, And we'll all be reunited, On a new and sunlit shore". The song makes many references to The Book of Revelations, and it often is played during funeral processions. Recently, it has been used to rally support for New Orleans. Name this gospel hymn that is the most requested jazz song. It contains the words, "I want to be in that number."

ANSWER: When The Saints Go Marching In (prompt partial answers, accept When The Saints Come Marching In)

4. Chemistry (30 Seconds)
(Note to moderator: Joule is pronounced like jewel.) For this problem use the approximation that the Boltzmann constant is 1.38×10^{-23} Joules per molecule Kelvin. Find the average kinetic energy in Joules for gas molecules at a temperature of 400 Kelvins.

ANSWER: 8.28×10^{-21} (Joules) (do not accept 8.28) (formula is E=1.5kT)

5. Religion/Mythology
"And thus be confident of entering into heaven rather through many tribulations, than through the assurance of peace." "The true treasure of the Church is the Most Holy Gospel of the glory and the grace of God." "The pope justly thunders against those who, by any art, contrive the injury of the traffic in pardons." These statements, among others, were written down in 1517. They were then mailed out, and it is generally believed that they were also nailed to a church door in Wittenberg. Name this list created by Martin Luther.

ANSWER: 95 Theses (or The Disputation of Martin Luther on the Power and Efficacy of Indulgences) (prompt (Martin) Luther)

6. Algebra (30 Seconds)
Put into simple radical form: the cube root of 81.

ANSWER: 3 times the cube root of 3 (accept equivalents, do not accept any answer involving square roots)

7. World History
Because of good notes and calculations he made regarding a solar eclipse, he was given a position to go to the Pacific Ocean and record a transit of Venus. While there, he mapped the coast of New Zealand. He later returned to the Pacific Ocean in an unsuccessful search for Antarctica. Name this explorer who was the first European to explore and map much of the Pacific Ocean.

ANSWER: (Captain James) Cook

8. Technology
Give the four-letter abbreviation that is an update of NVP and often contrasted with PSTN. Its drawbacks sometimes show up during power outages, attempts to get directory assistance, and attempts to reach emergency services. Additionally, it requires broadband. The advantages are its cost and mobility. Name this technology for making digital phone calls.

ANSWER: VOIP (or Voice Over the Internet Protocol)

9. Pop Culture
In 1997, he pitched thirteen complete games and had an earned run average of one point nine zero. That was his last year for the Montreal Expos; he then signed a seventy-five million dollar contract with the Boston Red Sox, where he won the 1999 and 2000 Cy Young Awards. Name this starting pitcher who, after helping the Red Sox win a World Series title, signed with the New York Mets.

ANSWER: (Pedro) Martinez

10. World Literature
His first published work, a poem with seventeen footnotes, was about Rene DesCartes anticipating an omelet. He was better known as a playwright, often writing his works in French and then translating them into English. His works include *Krapp's Last Tape*, *Molloy*, and *Endgame*. Name this absurdist Irish writer of *Waiting For Godot*.

ANSWER: (Samuel) Beckett

11. Biology
This term can apply to a process done with animals or plants. With animals, it involves transplanting tissue that has no blood supply, and it is often used to treat damaged skin. With plants, it involves the fusion of cambium tissue, combining two plants into one. Give this term beginning with the letter G.

ANSWER: Graft(ing)

12. Language Arts
Aristotle said that this consists in doing or saying things that cause shame to the victim. The definition of this six-letter word, however, is different. It now means overbearing pride. Give this word often associated with Greek heroes beginning with the letter H.

ANSWER: Hubris (accept Hybris)

13. Geography/Astronomy/Earth Science
This city's history is documented in the Victoria Memorial, one of several old palaces. The capital of West Bengal, it is located in the delta of the Ganges River. It was the capital of British India, but it declined in importance during the second half of the twentieth century. Name this one-time home of Amartya Sen and Mother Teresa.

ANSWER: Calcutta (or Kolkata)

14. Current Events
This combination of groups is headed by Jim Gilchrist and Chris Simcox. Riots broke out when spokesmen gave a speech in Garden Grove, California in May, and when they addressed students at Columbia University in October. Name this group which has asked President Bush to declare a state of emergency and has stationed members along the Mexican border to curb immigration.

ANSWER: Minuteman (Project, Inc or Civil Defense Corps) (accept Minutemen)

15. Geometry/Trigonometry (10 Seconds)
Give the answer that includes a nine-letter word. The word sometimes is not used when the opposite side is less than the adjacent side times the sine of the given angle because there are no solutions. Sometimes the word is not used when the adjacent side is less than the opposite side because there is one solution. When neither one of those statements is true, this term is used because there are two solutions. Name this situation that comes up when you are solving a triangle given two sides and an angle that is not between them.

ANSWER: Ambiguous (Case)

16. British Literature
This Shakespeare character states: "You have begot me, bred me, loved me: I return those duties back as are right fit, Obey you, love you, and most honour you. Why have my sisters husbands, if they say they love you all?" This statement is given after her two older sisters flatter their father. Name this youngest daughter of King Lear.

ANSWER: Cordelia

17. Nonfiction
He has written many books that combine autobiography and advice, starting in 1987 with *The Art of the Deal*. Other books include *Surviving at the Top*, *How To Get Rich*, and *Think Like a Billionaire*. Name this real estate mogul who also runs a successful reality television show.

ANSWER: (Donald) Trump

18. Physics (10 Seconds)
For a gas, this quantity is equal to one-third of the density times the root mean square speed of the molecules. It can be measured by filling a long glass tube with a liquid and then inverting the tube in a bowl of the same liquid, and it can be calculated by dividing force by area. Name this quantity that can be measured in Pascals, millimeters of Mercury, atmospheres, or pounds per square inch.

ANSWER: Pressure

19. Art/Architecture
This term beginning with the letter L is sometimes contrasted with intaglio. It was used by Ingres, Goya, and other artists in the early 1800s. Based on the principle that oil and water do not mix, it required the use of grease crayons or similar utensils. Name this printing process.

ANSWER: Lithograph(y)

20. US History
Though it represented a rejection of an offer by George Canning, it was acceptable to him. Through history, it has been altered many times, notably by Ulysses Grant, Richard Olney, and Teddy Roosevelt. First announced during a message to Congress in December, 1823, it was heavily influenced by John Quincy Adams. Name this foreign policy against European intervention in the Americas.

ANSWER: (The) Monroe Doctrine

Tiebreakers: (If you need to replace a question, take one from the Replacement Packet.) Use these questions in the order given if you need to break a tie. The first correct answer wins the match.

(30 Seconds)
Give your answer as a simplified fraction. If you pick the top two cards off a standard deck, what is the probability that they are of different suits?

ANSWER: 13/17

A diary entry found with his body begins, "Until today nothing was ever thought of sacrificing to our country's wrongs." He was eventually trapped in a barn that was set on fire and died from a bullet to his spine. His co-conspirators included Samuel Mudd, Samuel Arnold, and John Surratt. Name this Shakespearean actor who on April 14, 1865, assassinated President Lincoln.

ANSWER: (John Wilkes) Booth

Which state contains the towns of Winooski, Bellows, Rutland, Burlington, and Montpelier?

ANSWER: Vermont