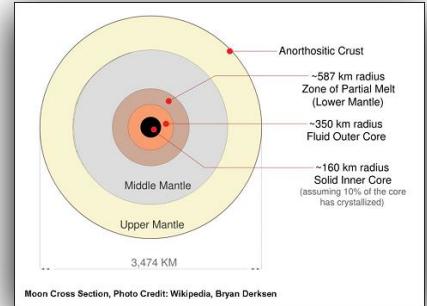


Name: _____

1. What is the area of the moon's cross-section if its radius is 1738 km? What are the units of area?



2. Number π is approximately equal to 3.14. Are there any other digits that follow after the number 4 in 3.14? How many digits make up the number π ?

3. The formula for the area of a circle is $A = \frac{\pi d^2}{4}$ and the formula for the circumference of a circle is $C = \pi d$, where d is the diameter of the circle. Write and simplify the ratio $\frac{C}{A}$. Show work to get credit.

$$\frac{C}{A} =$$

4. A. Choose which number is irrational?

i) π ii) $\sqrt{121}$ iii) $\frac{5}{4}$ iv) -0.3

B. Describe an irrational number.

5. *What did you **LIKE** or **DISLIKE** about the lesson?*

6. *Do you think robotics can be helpful when used to collect data in math experiments?*

A. YES

B. NO

C. UNSURE

7. *What did you **LIKE** or **DISLIKE** about the robotic device?*

8. *Do you think the use robotics to collect data:* **A. MADE THE LESSON EASIER**

B. MADE THE LESSON HARDER

C. MADE NO DIFFERENCE IN THE LESSON

9. *Rate this lesson using the following*

A. STRONGLY DISLIKED

B. DISLIKED

C. LIKED

D. STRONGLY LIKED

10. *What gets you excited about math?*

11. *If you were given the chance to create this lesson which method would you use:*

A. RESEARCH ON THE INTERNET

B. LECTURE

C. READ TEXTBOOK

D. CONDUCT HANDS-ON ACTIVITY

E. WATCH A MOVIE