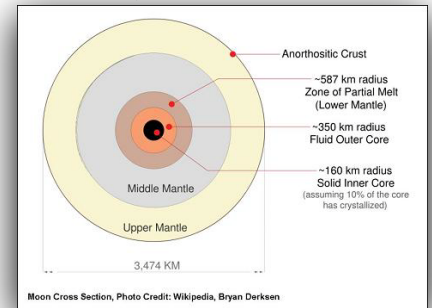


Name: \_\_\_\_\_

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  $\pi$  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  $\pi$ ?

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)  $\pi$

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**