**NAME: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Circles Quiz Review HW**

**You may find the following formulas helpful on this assignment:**

Area of a Circle: $A= π∙r ∙r $ Area a Semi-circle: $A= \frac{π ∙ r ∙ r}{2}$

Circumference of a Circle: $C= π∙d$

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| 1. If the radius of a circle is 11 feet, what is the length of the diameter?\_\_\_\_\_\_\_feet | 2. If the diameter of a circle is 24 centimeters, what is the length of the radius?\_\_\_\_\_\_ centimeters |
| 3. Find the **circumference** of the circle. Use 3.14 for pi. Show your work. Include a label with your answer. Diagram  Description automatically generatedCircumference = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | 4. During a senate campaign, a volunteer passed out a "Vote for Peterson" button. The campaign button has a radius of 4 centimeters. What is the button's **circumference**? Use 3.14 for pi. Show your work. Include a label with your answer.  **HINT: Find the length of the diameter first.** Circumference = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |
| 5. Find the **area** of the circle. Use 3.14 for pi. Show your work. Include a label with your answer.AHC2_174_4.jpgArea = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | 6. Patricia buys a round dinner table. The diameter of the dinner table is 4 feet. What is the area of the table? Use 3.14 for pi. Show your work. Include a label with your answer. **HINT: Find the length of the radius first.**Area = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |
| 7. Find the **area** of the semi-circle whose diameter is 15 feet. Use 3.14 for pi. Show your work. Include a label with your answer. **HINT: Find the length of the radius first.**AHC2_174_5.jpgArea = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | 8. A semi-circle shaped rug has a radius of 2 ft. What is the **area** of the rug? Use 3.14 for pi. Show your work. Include a label with your answer. CCSS_C2_Ch8_L2_Reteach6.jpg**2 ft**Area = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |