

Geometry: Circles

Name: _____

Date: _____ Score: _____

UNIT TOPICS

- * Parts of a circle: radius, diameter, chord, arc
- * Circumference = $\pi \times d$ (or $2 \times \pi \times r$)
- * Area = $\pi \times r^2$

PRACTICE PROBLEMS - Show all work

1. A circle has radius 5. Diameter = ____
2. A circle has diameter 14. Radius = ____
3. Circumference of a circle with radius 7 (use $\pi = 3.14$): ____
4. Circumference of a circle with diameter 10 (use $\pi = 3.14$): ____
5. Area of a circle with radius 3 (use $\pi = 3.14$): ____
6. Area of a circle with radius 6 (use $\pi = 3.14$): ____
7. A pizza has diameter 16 inches. What is its area? (use $\pi = 3.14$): ____
8. True or False: The diameter is always twice the radius. ____
9. A chord passes through the center. What is it called? ____
10. A wheel has circumference ~62.8 cm. What is its radius? ____

Answers (accept equivalent responses and correct reasoning):

1. [Grade based on correct application of concept taught this week]
2. [Grade based on correct application of concept taught this week]
3. [Grade based on correct application of concept taught this week]
4. [Grade based on correct application of concept taught this week]
5. [Grade based on correct application of concept taught this week]
6. [Grade based on correct application of concept taught this week]
7. [Grade based on correct application of concept taught this week]
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10. [Grade based on correct application of concept taught this week]