Lesson 12.4 Practice: Circles

School Launch · Pre-Algebra · Unit 12: Geometry · Worksheet A

No calculator

Name _____ Date _____ Score _____ / 10

Show your work under each problem, one step per line, and check your answer. Word problems: name the unknown, write the equation, solve, and answer in a sentence with units.

1. Find the circumference of a circle of radius 18 cm, exact and to the nearest tenth. EASY

2. Find the area of a circle with diameter 36 in, exact. EASY

3. Find the circumference of a circle of radius 14 cm, exact and to the nearest tenth. EASY

4. Find the area of a 247° sector of a circle with radius 15 (exact). MEDIUM

5. Find the length of an arc of 121° in a circle of radius 8 (exact). MEDIUM

6. Find the area of a 31° sector of a circle with radius 8 (exact). MEDIUM

7. Find the length of an arc of 180° in a circle of radius 8 (exact). MEDIUM

8. Find the area of a 130° sector of a circle with radius 2 (exact). HARD

9. Find the length of an arc of 262° in a circle of radius 19 (exact). HARD

10. Find the area of a 186° sector of a circle with radius 18 (exact). HARD