Lesson 11.5 Practice: Areas of Circles and Sectors

School Launch · Geometry · Unit 11: Area and Perimeter · Worksheet A

Calculator allowed

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 area of a circle with diameter 28 in, exact.

EASY

2. Find the area of a circle with diameter 38 in, exact.

EASY

3. Find the area of a circle with diameter 20 in, exact.

EASY

4. Find the area of a 298° sector of a circle with radius 3 (exact). MEDIUM

5. Find the area of a 116° sector of a circle with radius 8 (exact). MEDIUM

6. Find the area of a 147° sector of a circle with radius 7 (exact). MEDIUM

7. Find the area of a 276° sector of a circle with radius 11 (exact). MEDIUM

8. Find the area of a 151° sector of a circle with radius 19 (exact). HARD

9. Find the area of a 288° sector of a circle with radius 8 (exact). HARD

10. Find the area of a 36° sector of a circle with radius 6 (exact). HARD