Lesson 11.3 Practice: Areas of Regular Polygons

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 regular 6-gon with side 9 (nearest tenth). EASY

2. Find the area of a regular 6-gon with side 2 (nearest tenth). EASY

3. Find the area of a regular 5-gon with side 6 (nearest tenth). EASY

4. Find the area of a regular 10-gon with side 13 (nearest tenth). MEDIUM

5. Find the area of a regular 10-gon with side 14 (nearest tenth). MEDIUM

6. Find the area of a regular 5-gon with side 4 (nearest tenth). MEDIUM

7. Find the area of a regular 5-gon with side 15 (nearest tenth). MEDIUM

8. Find the area of a regular 8-gon with side 11 (nearest tenth). HARD

9. Find the area of a regular 10-gon with side 9 (nearest tenth). HARD

10. Find the area of a regular 12-gon with side 13 (nearest tenth). HARD