Lesson 12.5 Practice: Volume of Pyramids and Cones

School Launch · Geometry · Unit 12: Surface Area and Volume · 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 volume of a square pyramid with base edge 9 and height 3. EASY

2. Find the volume of a cone with radius 2 and height 21 (exact). EASY

3. Find the volume of a cone with radius 7 and height 9 (exact). EASY

4. Find the volume of a cone with radius 10 and height 3 (exact). MEDIUM

5. Find the volume of a cone with radius 6 and height 18 (exact). MEDIUM

6. Find the volume of a square pyramid with base edge 4 and height 3. MEDIUM

7. Find the volume of a square pyramid with base edge 3 and height 24. MEDIUM

8. Find the volume of a cone with radius 6 and height 12 (exact). HARD

9. Find the volume of a cone with radius 1 and height 3 (exact). HARD

10. Find the volume of a square pyramid with base edge 10 and height 9. HARD