Test, Form 3A
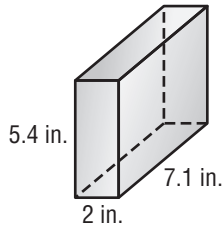
Find the volume of each figure. Round to the nearest tenth if necessary.

1.

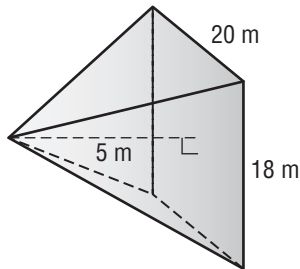-5 no units listed
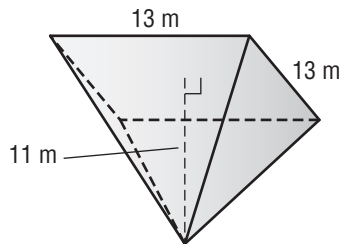
items not rounded

1. 76.68

2.

20 m

5 m

18 m

2. 600

3. A storage shed with a flat roof is 4 yards long by 3 yards wide by $2\frac{1}{2}$ yards tall. A cubic yard is equal to 27 cubic feet. How many cubic feet of storage space does the shed enclose?

3. 810

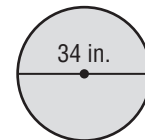**4.** What is the volume of the square pyramid? Round to the nearest tenth.

13 m

13 m

11 m

-1 decimal in wrong place

4. 6⎮19

5. What is the circumference of a bagel with a diameter of 11.6 centimeters? Use 3.14 for π. Round to the nearest tenth.
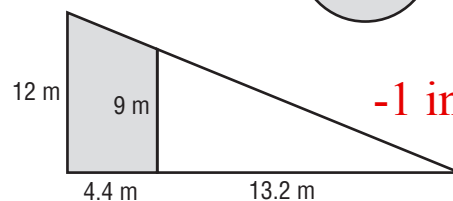
36.4

5. 36•⎮

6. Find the area of the circle. Round to the nearest tenth. Use 3.14 for π.

34 in.

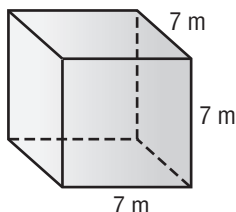-1 inc

6. 106.76

7. Find the area of the shaded region.

12 m

9 m

4.4 m   13.2 m

-1 inc

7. 23.76

Test, Form 3A   (continued)

8. Find the surface area of the cube.

7 m

7 m

7 m

-1 inc   **8.** 42

9. Find the volume of the pyramid.

16 ft

4 ft

6 ft
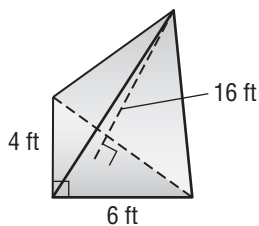
-1 inc   **9.** 128

10. Find the surface area of the pyramid.

8 in.

5 in.

5 in.
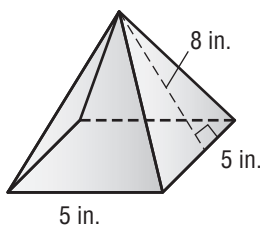
10. 66.6

-1 inc

11. Find the volume of the composite figure.

4 m

5 m   20

12 m   432

6 m

6 m
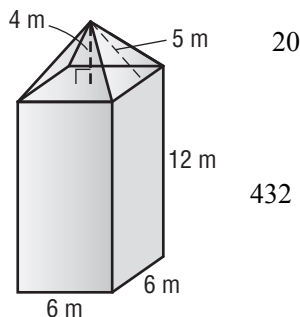
-1 inc   **11.** 452

12. Find the surface area of the composite figure in Exercise 11.

12. 552

-1 inc

13. A drawer is shaped like a rectangular prism. It has a length of 17 inches and a height of 6 inches. The volume is 1,428 cubic inches. Find the width of the drawer.

14

13. _____

-1 second inc

14. A rectangular pyramid has a volume of 190 cubic centimeters. Find two possible sets of measurements for the base area and height of the pyramid.

47.5 x 4

14. _____

190x3= 570