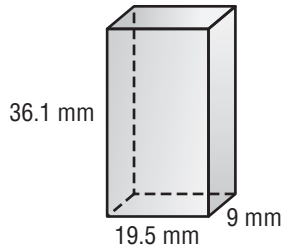


**Test, Form 3B**

SCORE \_\_\_\_\_

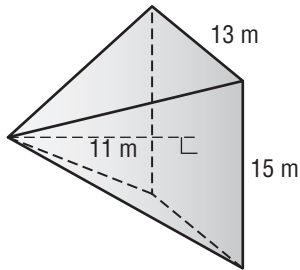
Find the volume of each figure. Round to the nearest tenth if necessary.

1.



1. \_\_\_\_\_

2.

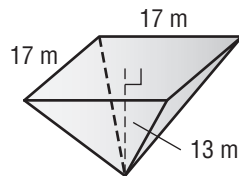


2. \_\_\_\_\_

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

3. \_\_\_\_\_

4. Find the volume of the square pyramid.

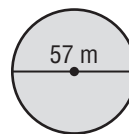


4. \_\_\_\_\_

5. What is the circumference of a Ferris wheel with a radius of 22.5 ft? Use 3.14 for  $\pi$ . Round to the nearest tenth.

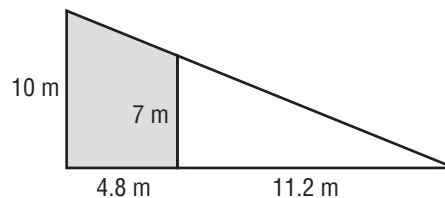
5. \_\_\_\_\_

6. Find the area of the circle. Use 3.14 for  $\pi$ . Round to the nearest tenth.



6. \_\_\_\_\_

7. Find the area of the shaded region.

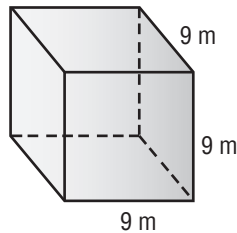


7. \_\_\_\_\_

**Test, Form 3B** (continued)

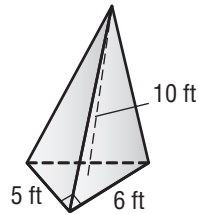
SCORE \_\_\_\_\_

8. Find the surface area of the cube.



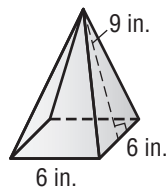
8. \_\_\_\_\_

9. Find the volume of the pyramid.



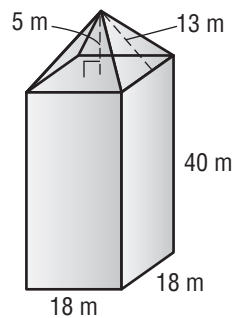
9. \_\_\_\_\_

10. Find the surface area of the pyramid.



10. \_\_\_\_\_

11. Find the volume of the composite figure.



11. \_\_\_\_\_

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

12. \_\_\_\_\_

13. A freezer is shaped like a rectangular prism. It has a length of 8 feet and a height of 3 feet. The volume is 54 cubic feet. Find the width of the freezer.

13. \_\_\_\_\_

14. A rectangular pyramid has a volume of 210 cubic centimeters. Find two possible sets of measurements for the base area and height of the pyramid.

14. \_\_\_\_\_