

This self-test may be taken only after you have completed all of the exercises indicated on your course-content/pacing sheet.

0500 - Self Test 6

SELF-TEST REVIEW
FOR TEST 6: GEOMETRY

DETERMINE EACH OF THE FOLLOWING (BE SURE TO LABEL EACH ANSWER CORRECTLY):

- 1) Perimeter of a rectangle with:
Length = 3.5 in.
Width = 7 in.

- 2) Area of a rectangle with:
Length = 3.5 in.
Width = 7 in.

- 3) Area of a triangle with:
Base = 3.6 in.
Height = 8 in.

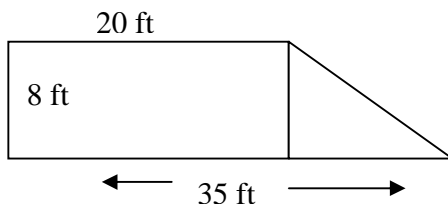
- 4) Circumference of a circle with:
Diameter = 8 in.

- 5) Area of a circle with:
Radius = 10 in.

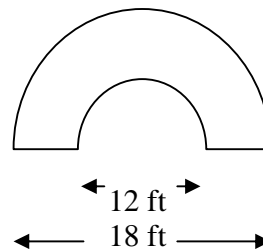
- 6) Volume of a rectangular solid with:
Length = 2.3 in.
Width = 7 in.
Height = 8 in.

- 7) Volume of a cylinder with:
Radius = 5 in.
Height = 2.4 in.

- 8) Find the area of the figure below:



- 9) Find the perimeter of the figure below:



- 10) A family wishes to fence in 3 sides of their yard. Two of the sides are each 105 feet long and the third side is 125 feet. What is the cost of the fencing if it sells for \$8 per foot?

- 11) If grass seed cost \$1.40 per lb., and if 1 lb. will cover 160 sq. ft., what will it cost to seed a lawn 55 feet wide and 80 ft. long?

- 12) What is the difference between the area of a square, 4 ft. on a side (a 4 ft. square) and 4 sq. ft.?

ANSWERS:

- 1) 21 in. 2) 24.5 sq. in. or 24.5 in²
3) 14.4 sq. in. or 14.4 in²
4) 25.12 in. 5) 314 sq. in. or 314 in²
6) 128.8 cu. in. or 128.8 in³
7) 188.4 cu. in. or 188.4 in³
8) 220 sq. ft. or 220 ft² 9) 53.1 ft
10) \$2680 11) \$38.50 12) 12 sq. ft.