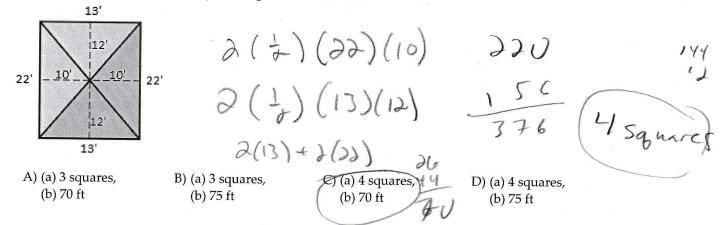
Name

MULTIPLE CHOICE. Choose the one alternative that best completes the statement or answers the question.

Practice Exam

Solve.

1) The aerial view of a roof is shown in the figure. (a) How many squares (100 sq ft) of shingles are needed for the roof? (b) How many feet of gutters are needed?

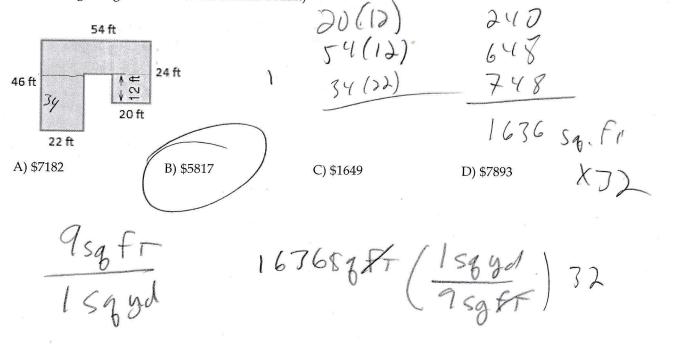


Spamir

1) _

2)

2) The floor plan of an office building is shown in the figure. If the entire surface is to be covered in carpet costing \$32 per square yard, what will be the total cost of the carpet? (Assume that all corners are right angles. Round to the nearest dollar.)



1

SHORT ANSWER. Write the word or phrase that best completes each statement or answers the question.

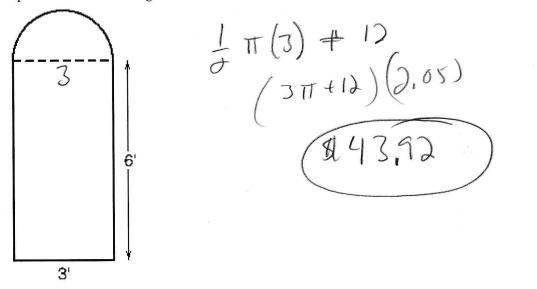
3) At \$2.05 per foot, what will be the cost of the molding around the window shown? Do not compute for the bottom edge.



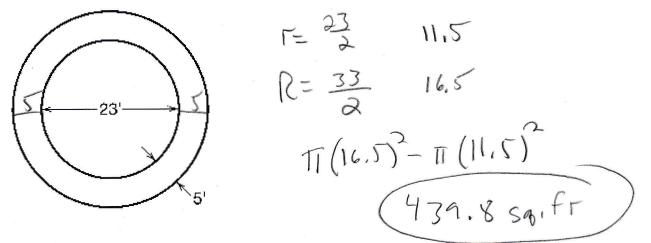
4)

5)

6) ____



4) If a circular pool with a diameter of 23 feet is enclosed by a wooden deck that is 5 feet wide, what is the area of the deck? Round to the nearest tenth.



- 5) How many cubic yards of concrete are needed to pour a concrete slab 24 feet long, 14 feet wide and 8 inches thick? Round to the nearest tenth.
- 6) A 7-foot hole is dug that measures 26 feet by 26 feet. If a truck with a capacity of 6 cubic yards is used to haul away the dirt, how many trips must the truck make? Round up to the next whole number.

V many trips musi une 1 cn gd 27 cnft 24(15) = 240 27 27 27 (9 cn g 15 7(26)(26) = 4732 cufr 175,3 cuyd

7) Calculate the gallons of water needed to fill this swimming pool. Round to the nearest gallon. One cu. ft of water contains 7.5 gallons

Trapezoidal Prism

 $\frac{1}{2}(8+3)(40)(12)$

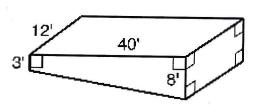
1) (40) (61

7)

8)

2640 Cuft

801



- 8) A cylindrical tank has a capacity of 14,892 gallons. If it has a radius of 6.5 feet, what is the height of the tank? Round to the nearest foot.
- Round to the nearest hundredth.

9) Find the weight of the piece of steel pictured. Steel weights 0.2833 pounds per cubic inch. 9) 5 8" 5 - 6.5 $(\pi(6.5)^2h)7.5 = 14892$ 132.7 4 = 1990,64 (h # 15 feer) Trapezoidal Prizm 2 (10+5)4(2) FECT. Prism 60 40 168 21(4)2 26 Scum × 12833

3