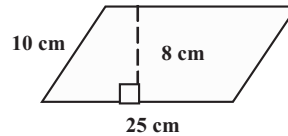


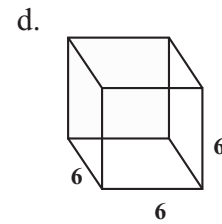
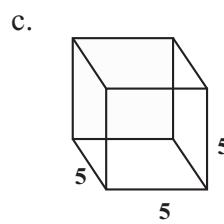
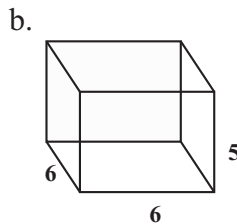
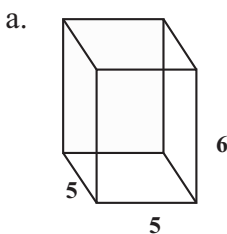
Module Test A Module 13

Circle the correct answer for each problem.

1. What is the area of the parallelogram?



- a. 80 cm^2 b. 100 cm^2 c. 200 cm^2 d. 250 cm^2
2. A circle has an area of 2,826 square inches. Which is closest to the length of the diameter of the circle?
- a. 30 in. b. 60 in. c. 450 in. d. 900 in.
3. The length of a rectangular field is twice its width. What is the perimeter of the field if the width of the field is 30 meters?
- a. 45 m b. 90 m c. 150 m d. 180 m
4. To the nearest inch, what is the circumference of a circle whose radius is 6.5 inches?
- a. 20 in. b. 41 in. c. 133 in. d. 531 in.
5. Which prism has a surface area of 170 square units?

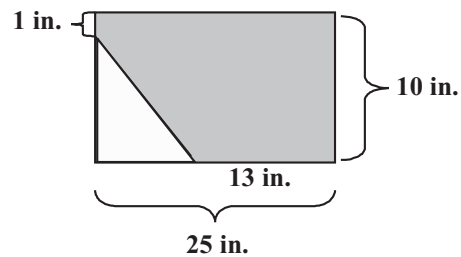


Fill in the blanks with one of the following words:

square cubic triangle trapezoid height slant height lateral surface

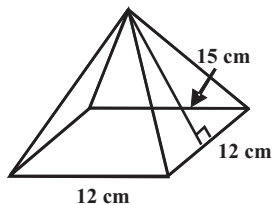
6. To find the area of a _____, use the formula $A = \frac{1}{2}(b_1 + b_2)h$.
7. It is *not* necessary to find the area of a circle when finding the _____ area of a cone.
8. The _____ of a pyramid is the length of the segment joining the vertex of the pyramid to the base of the pyramid at a right angle.
9. For a solid whose dimensions are given in millimeters, the volume of the solid is given in _____ millimeters.

10. Find the area of the shaded region.

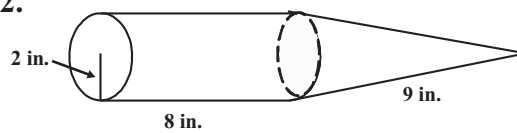


Find the surface area.

- 11.

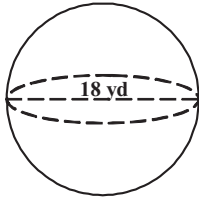


- 12.

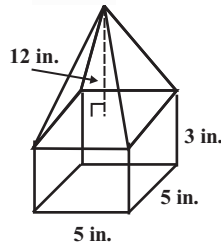


Find the volume.

13.



14.



15. The area of a rectangle must be 48 square feet. What whole-number dimensions will give the least perimeter? Explain how you found your answer.

16. Show how to estimate the area of the shape at right. Each \square is 1 km^2 .

