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n = 6 Cm

= 20

The area of a triangle is 24 square centimeters. If the base of this triangle is 8 centimeters, find the number of centimeters in the altitude.

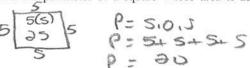
Find the area of a right triangle whose legs have lengths 6 and 8.

A= 166(8)

A garden in the shape of an equilateral triangle has sides whose lengths are 10 meters. What is the area of the garden?

A. 25 m^2 B. 25 m^2 C. 50 m^2 D. 50 m^2

Find the perimeter of a square whose area is 25.



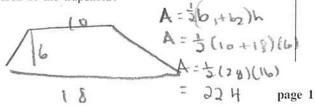
Which figure has the largest area?

B. a circle whose diameter measures 6 $(3)^2 = 9 (3)^2 = 9 (1)^4$

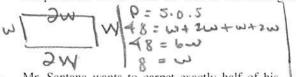
C. a triangle whose base and height each measures 6 6 5 5(L)(6) = 18

D. an equilateral triangle whose side measures 6

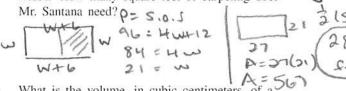
The bases of a trapezoid have lengths 10 and 18. If the height of the trapezoid is 6, what is the area of the trapezoid?



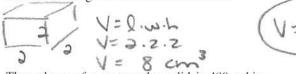
In a rectangle, the length is twice the width, and the perimeter is 48. Find the area of the rectangle. $\omega = 8$



Mr. Santana wants to carpet exactly half of his rectangular living room. He knows that the perimeter of the room is 96 feet and that the length of the room is 6 feet longer than the width. How many square feet of carpeting does



What is the volume, in cubic centimeters, of a cube whose edge measures 2 centimeters?



The volume of a rectangular solid is 180 cubic centimeters. The length is 10 centimeters and the width is 4 centimeters. Using the formula $V = \ell wh$, find the number of centimeters in the height.

11. If the length of each side of a triangle is doubled, then its perimeter

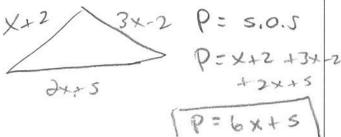
C. is multiplied by 4 D. is increased by 4

12. If the radius of a circle is doubled, then the circumference of the circle is multiplied by



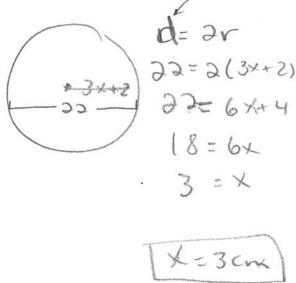
8R Review for Lesson Quiz

13. The lengths of the sides of a triangle are represented by x + 2, 3x - 2, and 2x + 5. Express the perimeter of the triangle as a binomial in terms of x.



- A. $7x^{3}$
- B. $49x^3$ C. 343x D. 343x³

14. The radius of a circle is represented by 3x + 2, and the length of the diameter is 22 centimeters. Find the value of x, in centimeters.



16. The width of a rectangle is 3 less than twice the length, x. If the area of the rectangle is 43 square feet, which equation can be used to find the length, in feet?

15. If the length of a side of a cube is 7x, which

expression represents the cube's volume?

A.
$$2x(x-3) = 43$$
 B. $x(3-2x) = 4$
C. $2x + 2(2x-3) = 43$ D. $x(2x-3) = 4$

