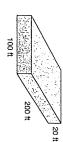
$15. \ 2\frac{2}{3} \cdot 1\frac{1}{2} - 3\frac{3}{4}$

1. The ratio of in-state to out-of-state 5 to 2. If there were 14,000 visitors out of state? to the park, how many were from visitors to the amusement park was

of a warehouse. For questions 2 and 3, refer to this sketch



2. A company is painting the exterior lateral surface area of the walls in walls of a warehouse. Find the square feet.

3. If a gallon of paint covers 400 ft², which how many gallons of paint are needed to paint the warehouse?

> quadrilateral. For questions 4 and 5, refer to this



4. What is the area of the quadrilateral?

5. What is the perimeter of the [8, quadrilateral?

6. Jeremy can type 144 words in . 4 minutes. How many words can he type in 10 minutes at the

7. The sales tax rate is 7.5%. What is the tax on a \$12.40 purchase?

8. If 40% of the students in the class are in the class? are boys, and if there are 18 girls in the class, then how many students



For questions 11 and 12, solve for x.

11.
$$2x - 1.8 = 2.4$$

12. ½x + ω|4

expression. For questions 13–18, simplify the

13.
$$3x + 2y - x + y$$

14. 3(x + 2) + 2(x + 3)

9. A lawn sprinkler sprays a circular pattern 14 feet out from the square feet of lawn does the sprinkler water? (Use $\frac{22}{7}$ for π .) sprinkler head. About how many

16. a²b³c

10. Monica wants to tie a ribbon are needed just to reach around the tree? (Round to the nearest inch.) about how many inches of ribbon 20 inches in diameter. Not counting around the trunk of an oak tree the ribbon needed to make a bow, that has a circular trunk about

18. $(1.2 \times 10^5)(6 \times 10^7)$

 $\frac{17. \ a \times 10^{8}}{4 \times 10^{4}}$

19. The interior dimensions of Sal's refrigerator in cubic feet. Find the capacity (volume) of the refrigerator are 5 ft by $2\frac{1}{2}$ ft by 2 ft.



20. Find $\frac{1}{2}(a + b)h$ when a = 6, b = 8, and b = 4.

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NAME: