

1.1–1.3 Quiz

Evaluate the expression when $a = 3$, $b = 2$, and $c = 12$. (Section 1.1)

1. $a + 5$

2. ab

3. $c \div b$

Copy and complete the table. (Section 1.1)

4.

x	$x + 6$
1	
2	
3	

5.

x	$3x - 5$
3	
6	
9	

Write the phrase as an expression. (Section 1.2)

6. The sum of 28 and 35

7. A number x divided by 2

8. The product of a number m and 23

9. 10 less than a number a

Tell which property is illustrated by the statement. (Section 1.3)

10. $3.5 \cdot z = z \cdot 3.5$

11. $14 + (35 + w) = (14 + 35) + w$

Simplify the expression. Explain each step. (Section 1.3)

12. $3.2 + (b + 5.7)$

13. $6 \cdot (10 \cdot k)$

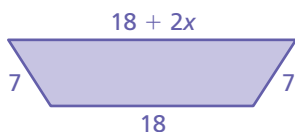
14. **COUPON** The expression $p - 15$ is the amount you pay after using the coupon on a purchase of p dollars. How much do you pay for a purchase of \$83? (Section 1.1)



15. **MOVING TRUCK** To rent a moving truck for the day, it costs \$33 plus \$0.90 for each mile driven. (Section 1.2)

a. Write an expression for the cost to rent the truck.

b. You drive the truck 300 miles. How much do you pay?



16. **GEOMETRY** The expression $18 + 7 + (18 + 2x) + 7$ represents the perimeter of the trapezoid. Simplify the expression. (Section 1.3)