

3.1–3.2 Quiz



Identify the terms, coefficients, and constants of the expression.

1. $6q + 1$

Terms: _____

Coefficients: _____

Constants: _____

2. $3r^2 + 4r + 8$

Terms: _____

Coefficients: _____

Constants: _____

Write the expression using exponents. (Section 3.1)

3. $s \cdot s \cdot s \cdot s$ _____

4. $2 \cdot t \cdot t \cdot t \cdot t \cdot t$ _____

Evaluate the expression when $a = 8$ and $b = 2$. (Section 3.1)

5. $a + 5$ _____

6. ab _____

7. $a^2 - 6$ _____

Complete the table. (Section 3.1)

8.

x	$x + 6$
1	
2	
3	

9.

x	$3x - 5$
3	
6	
9	

Write the phrase as an expression. (Section 3.2)

10. the sum of 28 and 35 _____

11. a number x divided by 2 _____

12. the product of a number m and 23 _____

13. 10 less than a number a _____

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 3.1)



15. **AMUSEMENT PARK** The expression $15a + 12c$ is the cost (in dollars) of admission at an amusement park for a adults and c children. Find the total cost for 5 adults and 10 children. (Section 3.1)

16. **MOVING TRUCK** To rent a moving truck for the day, it costs \$33 plus \$1 for each mile driven. (Section 3.2)



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

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