

NAME _____ DATE _____ PERIOD _____

1.5 – Evaluate Expressions and Combine Like Terms

Evaluate each expression if $x = -3$, $y = 6$, and $z = -4$.

1. $x + y + (-1) =$ _____

2. $-15 + (-x) + y =$ _____

3. $|x + y + z| =$ _____

4. $-|x + (-y) + z| =$ _____

5. $3x - 2y + z =$ _____

6. $\frac{xz}{-2y} =$ _____

7. $2yz - 3x =$ _____

8. $|4x - y - 3xz| =$ _____

Combine Like Terms.

9. $-5y + 9y =$ _____

10. $-5q - 2 + 2q - 8 =$ _____

11. $-9x + 7 - 2y - 4x - 8y =$ _____

12. $-7a - 2y + 7 + 2y + 5a =$ _____

SIMPLIFY, THEN EVALUATE for $x = -3$, $y = -2$, $z = 6$.

13. $6x - 2 + 9y - 3y - 3x$ _____

14. $xy + 5x - 3y - 7x + 2xy - 4z$ _____

15. $-5x + 3y + 2 - 8 + 3x - 5y$ _____

16. $-2z + 4x - 3y + 18$ _____

17. What property is illustrated?
 $3xy + z = z + 3xy$ _____

18. Simplify. $2 + 5(3 + 7) - 4^2 \div 2$ _____