

Algebra 2
Properties of Real Numbers
Homework

Name: _____

Name the property illustrated by each equation.

1. $7y + 0 = 7y$

2. $4(x - f) = 4x - 4f$

3. $5 \cdot \frac{1}{5} = 1$

4. $9 + (3 + r) = (9 + 3) + r$

5. $48 \cdot 7 = 7 \cdot 48$

6. $9xyz \cdot 0 = 0$

7. If $x = 22$ and $22 = 12 + 10$, then $x = 12 + 10$

8. $13 + x = 13 + x$

9. If $x + 8 = 12$, then $12 = x + 8$

10. $14 + (-14) = 0$

Name the additive inverse and multiplicative inverse of each number.

11. 12

12. $\frac{1}{2}$

13. -3

Simplify each expression.

14. $4x + 5y + 3x + 2y$

15. $3(12c - 4d) + 2(3d - 5c)$