

1-4**Practice**

Form G

Properties of Real Numbers**Name the property that each statement illustrates.**

1. $x * \frac{1}{x} = 1$

2. $17 + -17 = 0$

3. $35 \cdot x = x \cdot 35$

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

5. $m + 0 = m$

Use mental math to simplify each expression.

6. $36 + 12 + 4$

7. $12 \cdot 18 \cdot 0 \cdot 17$

Simplify each expression.

8. $6 + (8x + -12)$

9. $-5(4p)$

10. $\frac{12st}{4t}$

Tell whether the expressions in each pair are equivalent.

11. $7x$ and $7x \cdot 1$

12. $4 + 6 + x$ and $4 \cdot x \cdot 6$

13. $p(4 - 4)$ and 0

Decide whether each statement is *true* or *false*. If it is false, give a counterexample.

14. For all real numbers a and b , $a - b = -b + a$.

15. For all real numbers p , q and r , $p - q - r = p - r - q$.