## Lesson 7

## Homework

### Activity 1

**Simplify each expression by combining like terms.**

1. $-5x + x + -4x$
2. $x - 4 - 3$
3. $2x - -3 + 4 - x$
4. $7x + -2 + -7 + -6x$

### Activity 2

**Solve the equations using the rules for integers. Check your answer at the end using substitution.**
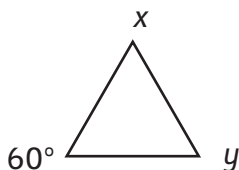
1. $-4 + -3 + x = 14$

2. $2x - 5 + 5 - x = 12$

3. $x - -4 - 3 = 1$
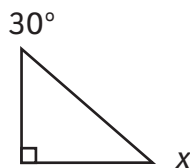
4. $-2 + 2x - -2 + 3x = 20$

### Activity 3

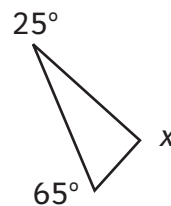**Find the missing angles in each of the triangles.**

1. What are the measures of $\angle x$ and $\angle y$ in the equilateral triangle?

   

2. What is the measure of $\angle x$?

   

3. What is the measure of $\angle x$?

   

### Activity 4 • Distributed Practice

**Solve.**

1. $\frac{1}{4} \div \frac{1}{2}$
2. $\frac{1}{4} \cdot \frac{1}{2}$
3. $-2 \cdot -6$
4. $4^2 \div 2 + 6$
5. $2 \cdot 4^2 + 3$
6. $(-5 \cdot -2) - 6$

7. Simplify using the distributive property: $2(3x + 2)$