

**LESSON**  
**2.5****Practice A***For use with the lesson "Reason Using Properties from Algebra"***Complete the logical argument by giving a reason for each step.**

1.  $8x - 34 = 6$  Given  
 $8x = 40$  a. ?  
 $x = 5$  b. ?

2.  $4x - 7 = 6x + 7$  Given  
 $-2x - 7 = 7$  a. ?  
 $-2x = 14$  b. ?  
 $x = -7$  c. ?

3.  $5(x - 3) = 4(x + 2)$  Given  
 $5x - 15 = 4x + 8$  a. ?  
 $x - 15 = 8$  b. ?  
 $x = 23$  c. ?

4.  $x = \frac{1}{7}y - 9$  Given  
 $x + 9 = \frac{1}{7}y$  a. ?  
 $7x + 63 = y$  b. ?  
 $y = 7x + 63$  c. ?

**Solve the equation. Write a reason for each step.**

5.  $x + 18 = 7$  6.  $5x = 4x + 8$

7.  $7x - 9 = 4x$  8.  $6x + 11 = 5x - 3$

9.  $7x - 11 = 4x + 19$  10.  $14x + 3 = 19x + 23$

11.  $4(2x + 11) = 76$  12.  $14(x + 1) = -7(4 + x)$