Solving Equations with Variables on Both Sides

1. $9x = 3x + 30$

2. $7x - 35 = 4x - 5$

3. $9x = 2x + 14$

4. $3(x + 4) = x + 34$

5. $2(x + 2) = x + 14$

6. $4(x + 6) = x + 36$

7. $4(x + 4) = x + 34$

8. $4(x + 8) = x + 47$

9. $6x - 32 = 2x - 8$

10. $9x - 18 = 5x - 10$

Solving Equations with Variables on Both Sides – Answer Key

1. $9x = 3x + 30$

   $x = 5$

2. $7x - 35 = 4x - 5$

   $x = 10$

3. $9x = 2x + 14$

   $x = 2$

4. $3(x + 4) = x + 34$

   $x = 11$

5. $2(x + 2) = x + 14$

   $x = 10$

6. $4(x + 6) = x + 36$

   $x = 4$

7. $4(x + 4) = x + 34$

   $x = 6$

8. $4(x + 8) = x + 47$

   $x = 5$

9. $6x - 32 = 2x - 8$

   $x = 6$

10. $9x - 18 = 5x - 10$

    $x = 2$