Unit 2 - Solving Equations with Variables on Both Sides

1. $4(4x + 8) = 2(x + 100)$

2. $4(5x + 7) = 4(x + 59)$

3. $13x + 12 = 8x + 42$

4. $4(x - 9) = 2(x + 5)$

5. $15x = 10x + 30$

6. $24x - 58 = 9x - 13$

7. $3(2x + 8) = 2(x + 36)$

8. $9x + 30 = 4x + 45$

1. $4(4x + 8) = 2(x + 100)$

   x = 12

2. $4(5x + 7) = 4(x + 59)$

   x = 13

3. $13x + 12 = 8x + 42$

   x = 6

4. $4(x - 9) = 2(x + 5)$

   x = 23

5. $15x = 10x + 30$

   x = 6

6. $24x - 58 = 9x - 13$

   x = 3

7. $3(2x + 8) = 2(x + 36)$

   x = 12

8. $9x + 30 = 4x + 45$

   x = 3