

**Sequential Algebra 1A- Worksheet 3.1-3.8**

**Solve the equation.**

1.  $x + 15 = 25$

2.  $10 + x = -20$

3.  $3w = 15$

4.  $6x + 5x - 6 = 16$

5.  $4x - 3(4 - x) = 9$

6.  $6x - 2 = -2x + 6$

7.  $3x - 7(2 - x) = 6$

8.  $3x - 4x + 7 = 10$

**Solve for y.**

9.  $2x + 3y = 6$

10.  $5x + y = 26$

11.  $4x - 2y = 8$

**Write the ratio in lowest terms.**

12. 15 to 30

13. 20:45

14.  $\frac{9}{81}$