

Name \_\_\_\_\_ Date \_\_\_\_\_

## Solving Equations with Variables on Both Sides

Concept 3 - Complex equations

**DO I HAVE TO DISTRIBUTE?**

**DO I HAVE VARIABLES ON BOTH SIDES?**

**IS THE VARIABLE ISOLATED?**

1)  $-20 = -4x - 6x$

2)  $6 = 1 - 2n + 5$

3)  $8x - 2 = -9 + 7x$

4)  $a + 5 = -5a + 5$

5)  $4m - 4 = 4m$

6)  $p - 1 = 5p + 3p - 8$

7)  $5p - 14 = 8p + 4$

8)  $2p - 4 = -4 + 2p$

9)  $-8 = -(x + 4)$

10)  $12 = -4(-6x - 3)$

11)  $-18 - 6k = 6(1 + 3k)$

12)  $5n + 34 = -2(1 - 7n)$

**DO I HAVE TO CLEAN UP?**

**IS THE VARIABLE MULTIPLIED?**