

Hardest Substitution Problems (Require distributive property)

- You will still substitute in for either x or y
- However, you will have to use the distributive property after the distribution

Ex) $y = -2x + 9$

$$5x = 35 - 5y$$

1.) $x = -4y + 45$
 $4x + 3y = 63$

5.) $x = -y + 11$
 $5x + 2y = 25$

2.) $3y + 5x = 40$
 $y = -x + 8$

6.) $y = -x + 5$
 $3x = 14 - 2y$

$$5) \quad 3x = -3y + 18$$
$$x = -2y + 9$$

$$7.) \quad y = -4x + 44$$
$$3x = 46 - 4y$$

$$6.) \quad y = -5x + 14$$
$$3y + 2x = 16$$

$$8.) \quad 3x - 5y = 11$$
$$x = 1 - 3y$$