

Name _____

Date _____

5-2 Substitution**Algebra!**

Substitute X or Y in the Equation

Solve systems of equations by substitution

1. $y = \boxed{3x}$
 $x + 2y = -21$

$$x + 2(\boxed{}) = -21$$

2. $x + \boxed{5y} = -3$ $x = \boxed{-3 - }$
 $3x - 2y = 8$

$$3(\boxed{}) - 2y = 8$$

3. $y = \boxed{-6}$
 $4x + y = 2$

$$4x + \boxed{} = 2$$

4. $x = \boxed{2}$
 $3x - y = 8$

$$3(\boxed{}) - y = 8$$

5. $y = \boxed{-x}$
 $y = 2x - 6$

$$\boxed{} = 2x - 6$$

6. $x - \boxed{2y} = -2$ $x = \boxed{-2 + }$
 $3x + y = 6$

$$3(\boxed{}) + y = 6$$