

# Math Worksheets

## Solving Systems of Equations by Substitution

 Solve each system of equation by substitution.

1)  $-x + 3y = -6$

$$x - 2y = 7$$

2)  $4x + 2y = -4$

$$-x - 2y = 5$$

3)  $2x + 3y = -4$

$$3x - y = 8$$

4)  $y = -2x + 3$

$$2x - y = -5$$

5)  $4x = 8$

$$5y = 3x + 4$$

6)  $4x + 3y = 5$

$$2x + y = -8$$

7)  $3x + 2y = 1$

$$x + y = -6$$

8)  $3y = x + 2$

$$2x - y = -4$$

# Answers of Worksheets

## Solving Systems of Equations by Substitution

1)  $(9, 1)$

3)  $(\frac{20}{11}, -\frac{28}{11})$

5)  $(2, 2)$

7)  $(13, -19)$

2)  $(\frac{1}{3}, -\frac{8}{3})$

4)  $(-\frac{1}{2}, 4)$

6)  $(-\frac{29}{2}, 21)$

8)  $(-2, 0)$