

Name : _____

Score : _____ Date : _____

Solving Linear Equations by Substitution

Solve the system of equations using the substitution method.

1 $y = 2x - 3$
 $y = -2x + 9$

2 $2x + y = 20$
 $6x - 5y = 12$

3 $y = 4x - 9$
 $x - y = 3$

4 $6x + 8y = -22$
 $y = -5$

5 $y = 3x + 2$
 $y = -3x + 8$

6 $2x + y = -7$
 $5x + 3y = -21$

7 $-2x + 7y = -9$
 $y = x - 2$

8 $-x + 4y = -4$
 $5x - 8y = 20$

Name : _____

Score : _____ Date : _____

Solving Linear Equations by Substitution

Answer.

1 $y = 2x - 3$
 $y = -2x + 9$

(3, 3)

2 $2x + y = 20$
 $6x - 5y = 12$

(7, 6)

3 $y = 4x - 9$
 $x - y = 3$

(2, -1)

4 $6x + 8y = -22$
 $y = -5$

(3, -5)

5 $y = 3x + 2$
 $y = -3x + 8$

(1, 5)

6 $2x + y = -7$
 $5x + 3y = -21$

(0, -7)

7 $-2x + 7y = -9$
 $y = x - 2$

(1, -1)

8 $-x + 4y = -4$
 $5x - 8y = 20$

(4, 0)