

Solving Systems of Equations

Solve each system by either substitution or elimination.

1) $y = 6x - 11$
 $-2x - 3y = -7$

2) $2x - 3y = -1$
 $y = x - 1$

3) $y = -3x + 5$
 $5x - 4y = -3$

4) $-3x - 3y = 3$
 $y = -5x - 17$

5) $y = -2$
 $4x - 3y = 18$

6) $y = 5x - 7$
 $-3x - 2y = -12$

7) $-4x + y = 6$
 $-5x - y = 21$

8) $-7x - 2y = -13$
 $x - 2y = 11$

9) $-5x + y = -2$
 $-3x + 6y = -12$

10) $-5x + y = -3$
 $3x - 8y = 24$

Solving Systems of Equations by Substitution

Solve each system by substitution.

1) $y = 6x - 11$
 $-2x - 3y = -7$

 $(2, 1)$

2) $2x - 3y = -1$
 $y = x - 1$

 $(4, 3)$

3) $y = -3x + 5$
 $5x - 4y = -3$

 $(1, 2)$

4) $-3x - 3y = 3$
 $y = -5x - 17$

 $(-4, 3)$

5) $y = -2$
 $4x - 3y = 18$

 $(3, -2)$

6) $y = 5x - 7$
 $-3x - 2y = -12$

 $(2, 3)$

7) $-4x + y = 6$
 $-5x - y = 21$

 $(-3, -6)$

8) $-7x - 2y = -13$
 $x - 2y = 11$

 $(3, -4)$

9) $-5x + y = -2$
 $-3x + 6y = -12$

 $(0, -2)$

10) $-5x + y = -3$
 $3x - 8y = 24$

 $(0, -3)$