Algebra 1   Name_____

Practice Test: Solving systems by graphing, substitution, and elimination
Solve each system by graphing.
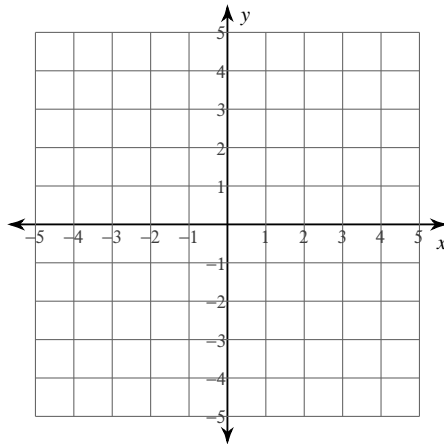
1) $y = \dfrac{1}{2}x - 2$

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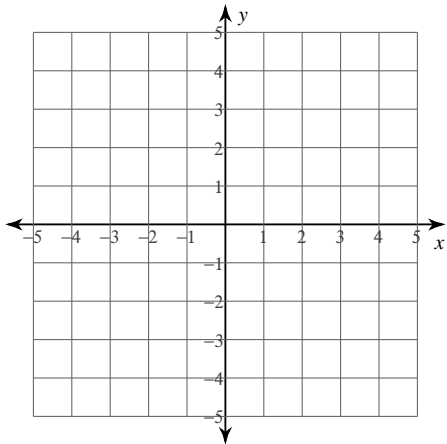
2) $y = x - 4$

   $y = -\dfrac{2}{3}x + 1$

Solve each system by substitution.

3) $-4x - 5y = 15$

   $y = -5x - 3$

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

   $y = -2x + 8$

5) $6x - 3y = 7$
   $-2x + y = -8$

6) $x + 8y = 18$
   $-7x + 4y = -6$

Solve each system by elimination.

7) $x + y = -10$
   $10x - y = -1$

8) $4x - 4y = -4$
   $12x - 12y = -12$

9) $4x - 5y = 9$
   $5x - 6y = 9$

10) $5x - 7y = 19$
    $-4x + 5y = -17$

Answers to Practice Test: Solving systems by graphing, substitution, and elimination

1) $(-2, -3)$
5) No solution
9) $(-9, -9)$

2) $(3, -1)$
6) $(2, 2)$
10) $(8, 3)$

3) $(0, -3)$
7) $(-1, -9)$

4) $(5, -2)$
8) No solution