3.1 Solving Systems by Graphing

Name_____

Date_____ Hour_____

Solve each system by graphing.

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

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

2) $y = \dfrac{5}{4}x + 4$

$y = \dfrac{5}{4}x - 3$

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

$x + y = -3$

4) $x + y = 2$

$4x - y = 3$

5) $17x - 2y = -18$

$x - y = 6$

6) $3x + y = -6$

$3x + y = -3$

7) $2x - y = 6$

$4x - 2y = 12$

8) $x + 3y = -21$

$2x + y = 3$

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Name_____

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Solve each system by graphing.

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

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

   $(-2, -4)$

2) $y = \dfrac{5}{4}x + 4$

   $y = \dfrac{5}{4}x - 3$

   No solution

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

   $(-2, -1)$

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

   $(1, 1)$

5) $17x - 2y = -18$
   $x - y = 6$

   $(-2, -8)$

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

   No solution

7) $2x - y = 6$
   $4x - 2y = 12$

   Infinitely Many Solutions

8) $x + 3y = -21$
   $2x + y = 3$

   $(6, -9)$