Name_____ ID: 1

5.1 Classwork

Date_____ Algebra____
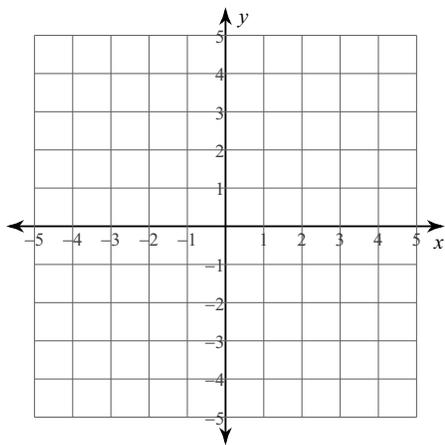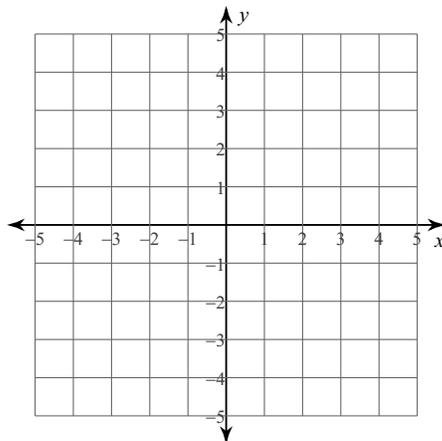
1) Graph $y = -\dfrac{5}{2}x - 4$ on the graph below.

2) Graph $y = x + 3$ on the graph below.

3) Give 3 examples of a solution for #1

4) Give 3 examples of a solution for #2

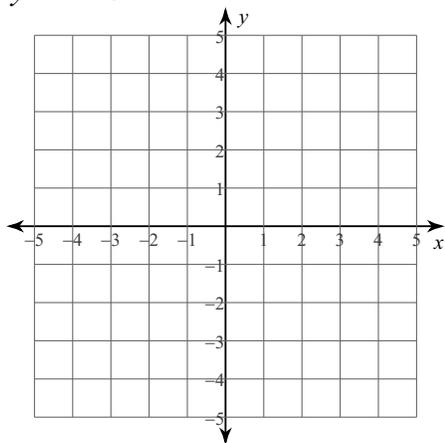5) Are there any points that are NOT a solution for both lines?

6) Are there any points that ARE a solution for both lines?

7) Graph BOTH lines on the same set of axis:

$$y = -\frac{5}{2}x - 4$$

$$y = x + 3$$

8) Describe what the graph shows:

-1- Made with Infinite Algebra 1.

9) Plug the point (-2, 1) into BOTH of the equations.

$$y = -\frac{5}{2}x - 4 \qquad \text{and } y = x + 3$$

10) What does #9 show you?
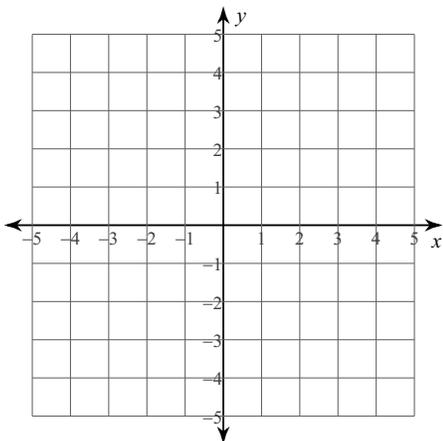
Solve each system by graphing.

11) $y = -\frac{1}{2}x + 1$

$y = \frac{3}{4}x - 4$

12) Express the solution to both lines as a point:

x=_____ , y =_____

Solve each system by graphing.

13) $y = -3x + 4$

$y = 1$

14) $0 = 4 - y - 6x$

$y + 3 = x$