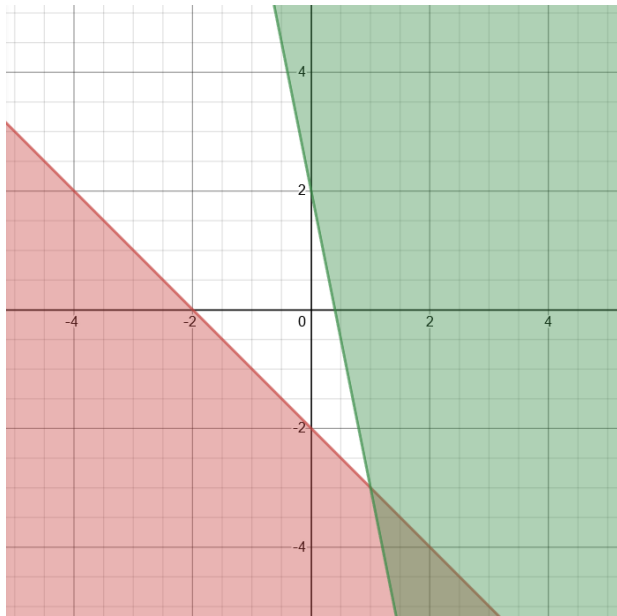**Determining Solution Points in Systems of Linear Inequalities (Kuta)**
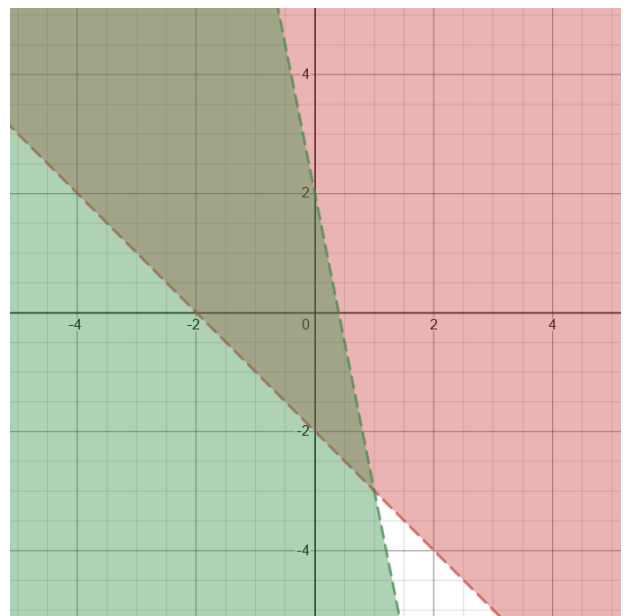
For each problem, determine which point is solution of the System of Linear Equalities. Do this by plotting all four points and circle the coordinates of the point that is a solution. Then, find another point that is also a solution for the system.

1.
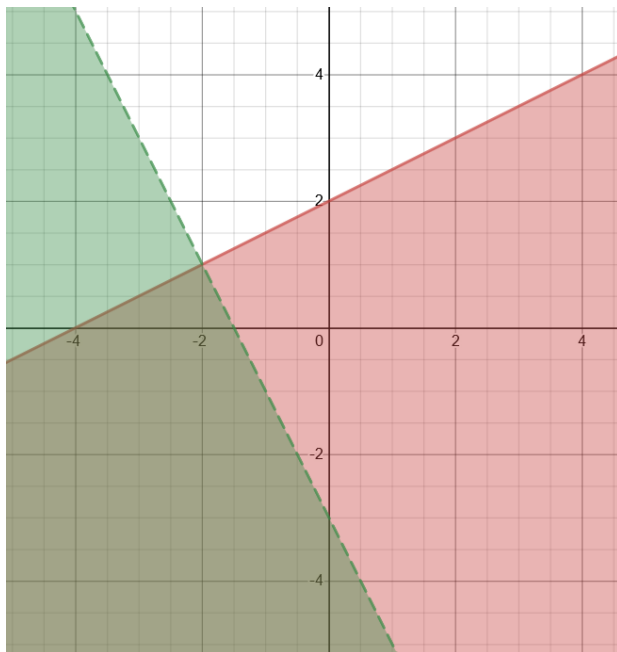$$y \le -x - 2$$
$$y \ge -5x + 2$$

Which point is a solution?
(2, 2)   (-3, 0)   (2, -5)   (-2, 4)
What is another point in the solution set?

2.
$$y > -x - 2$$
$$y < -5x + 2$$

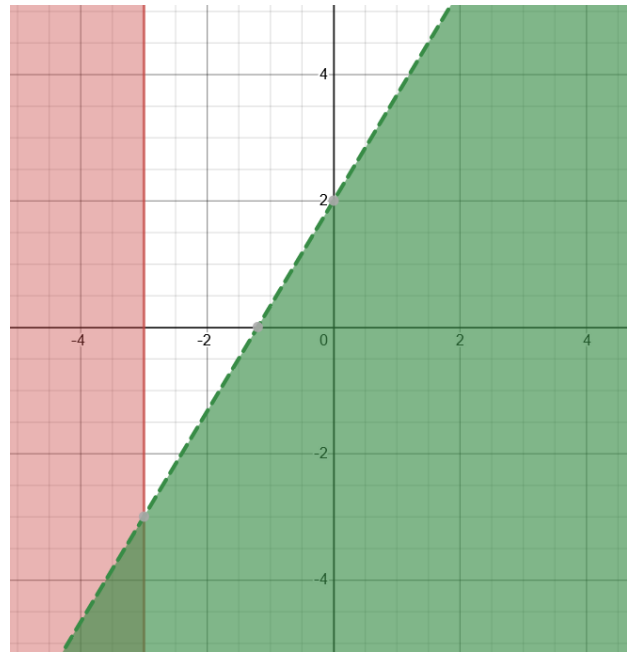
Which point is a solution?
(2, 1)   (-2, 0)   (-2, 3)   (-3, -4)
What is another point in the solution set?

3.
$$y \le \frac{1}{2}x + 2$$
$$y < -2x - 3$$

Which point is a solution?
(1, 2)   (-3, 0)   (0, -3)   (2, -2)
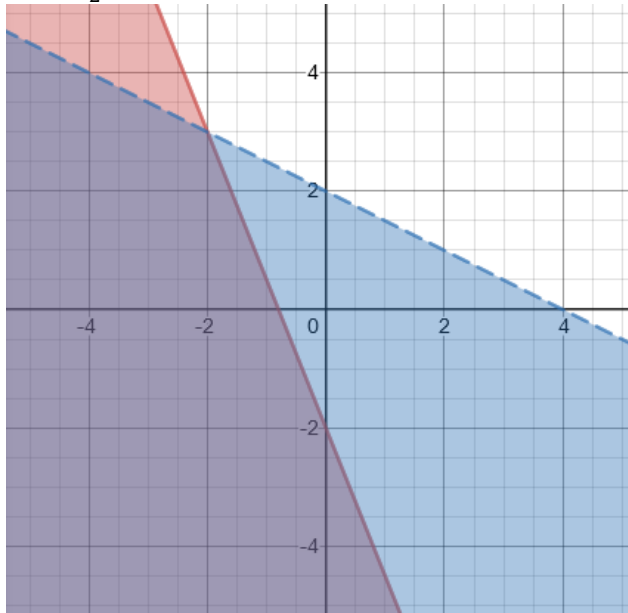What is another point in the solution set?

4.
$$x \le -3$$
$$y < \frac{5}{3}x + 2$$

Which point is a solution?
(4, 1)   (-4, 1)   (-2, 3)   (-3, -4)
What is another point in the solution set?

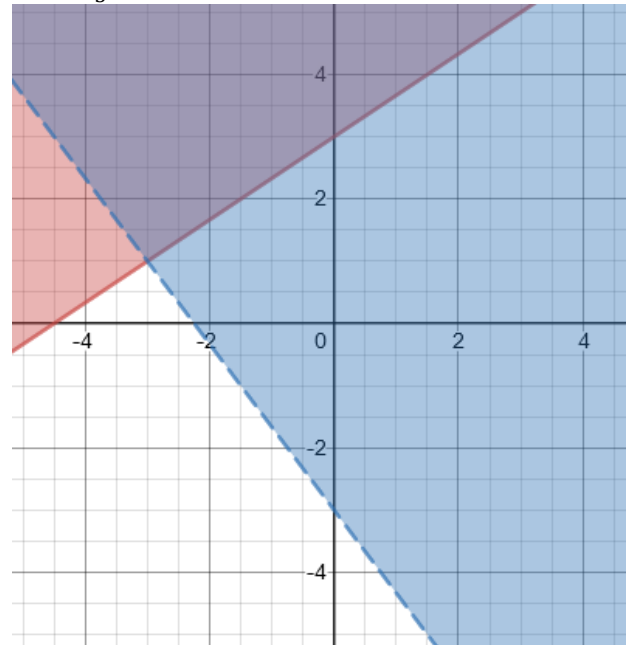5. $y \leq -\frac{5}{2}x - 2$

   $y < -\frac{1}{2}x + 2$

   Which point is a solution?

   (-2, -2)   (-4, 4)   (0, 3)   (2, -1)

   What is another point in the solution set?

6. $y \geq \frac{2}{3}x + 3$
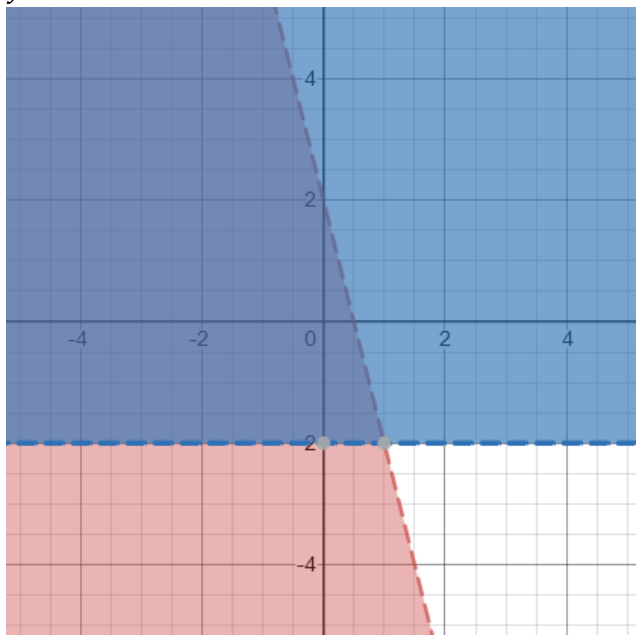
   $y > -\frac{4}{3}x - 3$

   Which point is a solution?

   (-4, 2)   (-3, 0)   (-2, 3)   (2, -2)

   What is another point in the solution set?
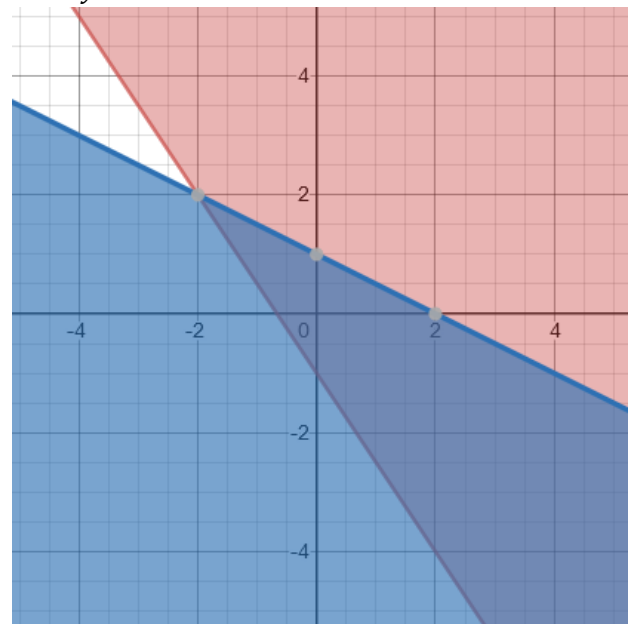
7. $4x + y < 2$

   $y > -2$

   Which point is a solution?

   (4, -3)   (3, 0)   (0, -3)   (0, 0)

   What is another point in the solution set?

8. $3x + 2y \geq -2$

   $x + 2y \leq 2$

   Which point is a solution?

   (2, 0)   (-3, 0)   (0, -3)   (2, 4)

   What is another point in the solution set?