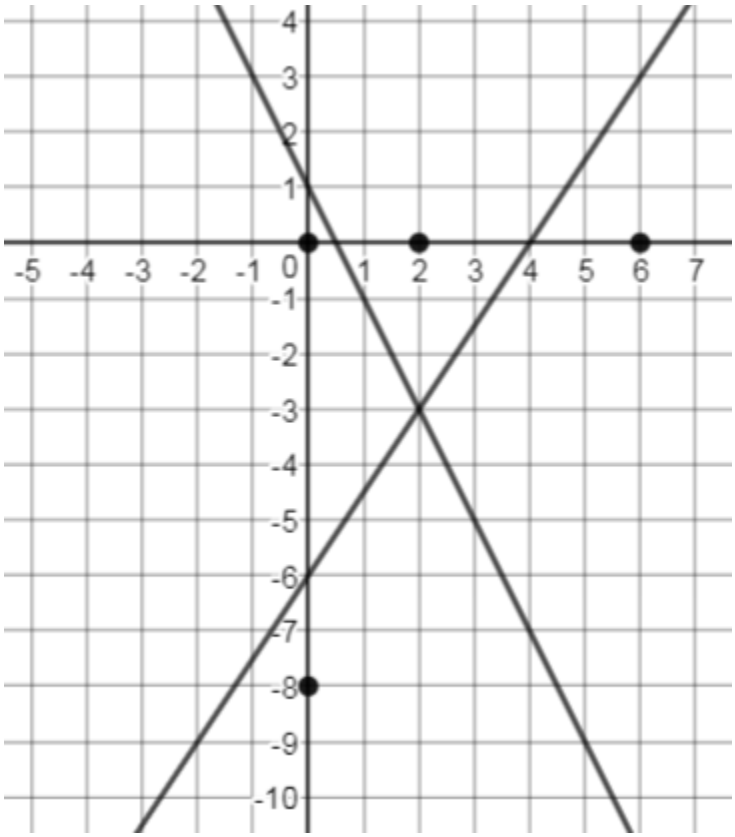
Determining the Solution Region

$3x - 2y \geq 12$

$y \leq -2x + 1$

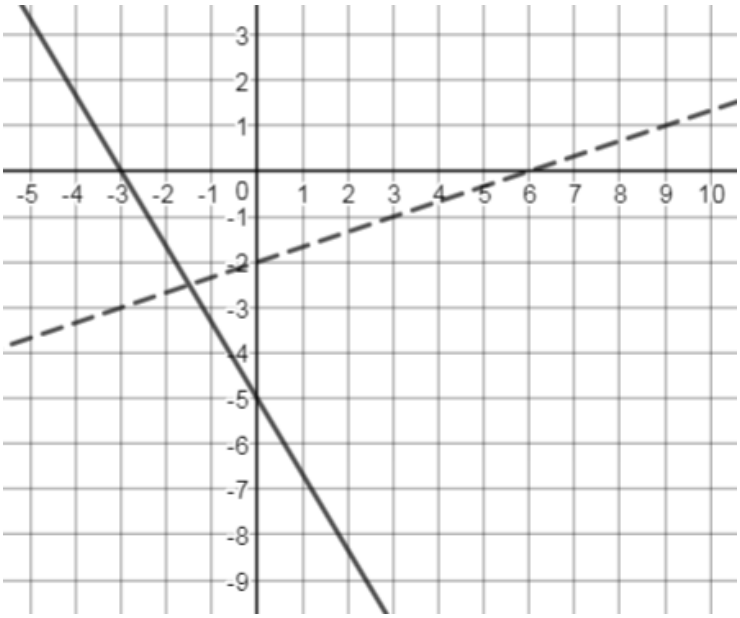
Look at the graph to your right. Which of the four points to the right is a solution to both inequalities?



Shade the correct solution region for this system.

$5x + 3y \geq -15$

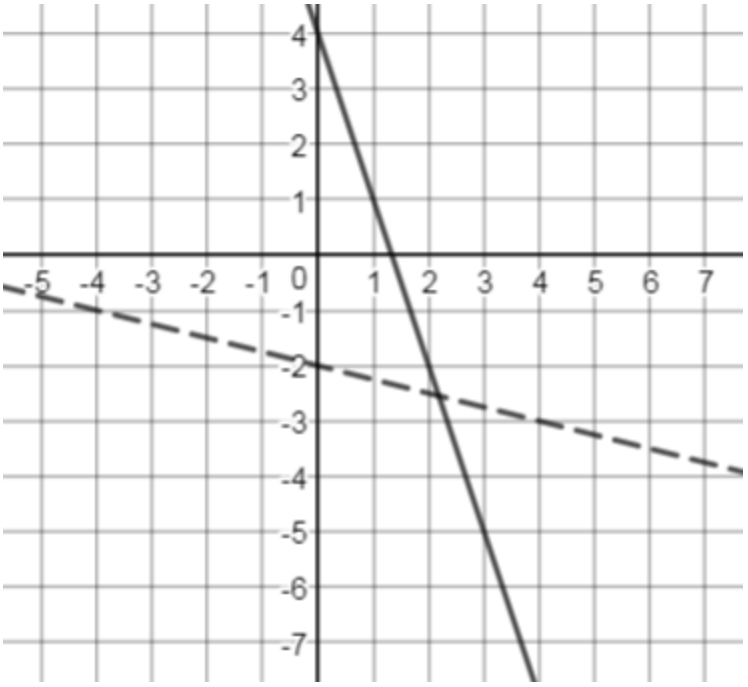
$y < \frac{1}{3}x - 2$



Shade the correct solution region for this system.

$x + 4y > -8$

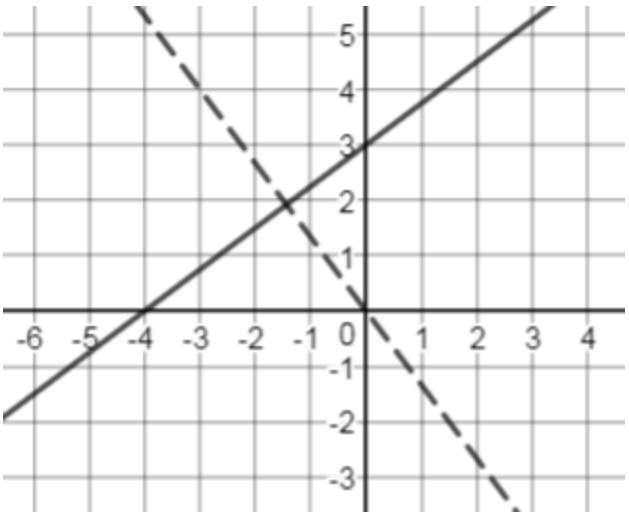
$y \geq -3x + 4$



Shade the correct solution region for this system.

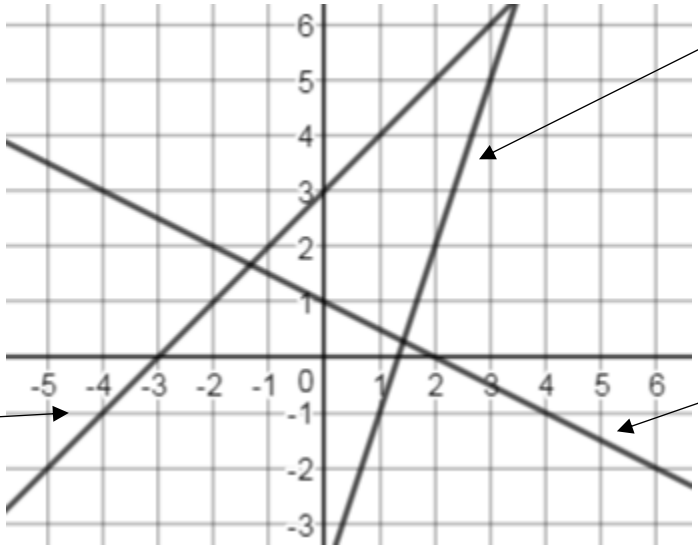
$3x - 4y \geq -12$

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



Matching Inequalities to Graphs

Select the correct equation for each line.



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

$y = x + 3$

$y = 3x - 4$

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

$y = x + 3$

$y = 3x - 4$

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

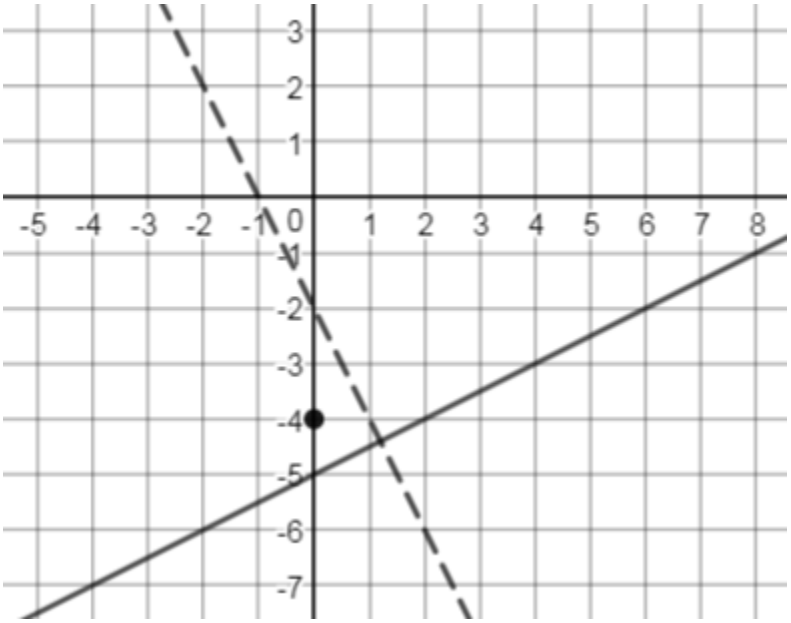
$y = x + 3$

$y = 3x - 4$

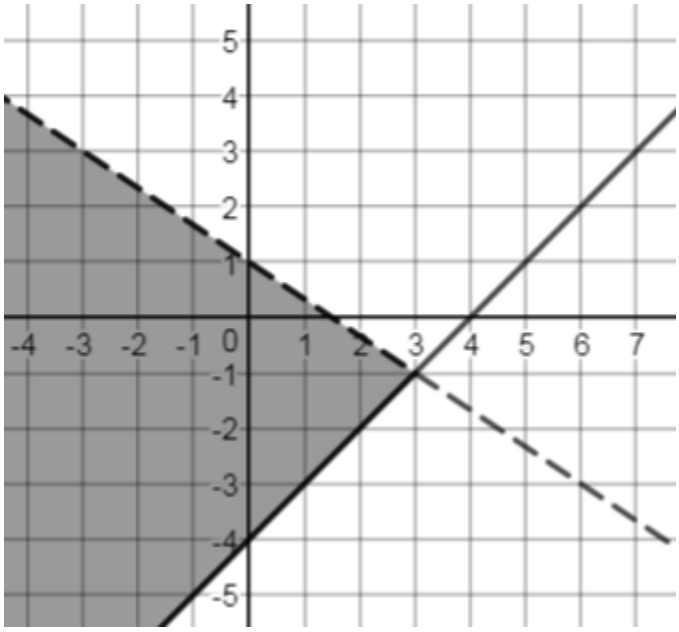
Add inequality symbols that would make the point a solution to the system.

y ☐ $\frac{1}{2}x - 5$

y ☐ $-2x - 2$

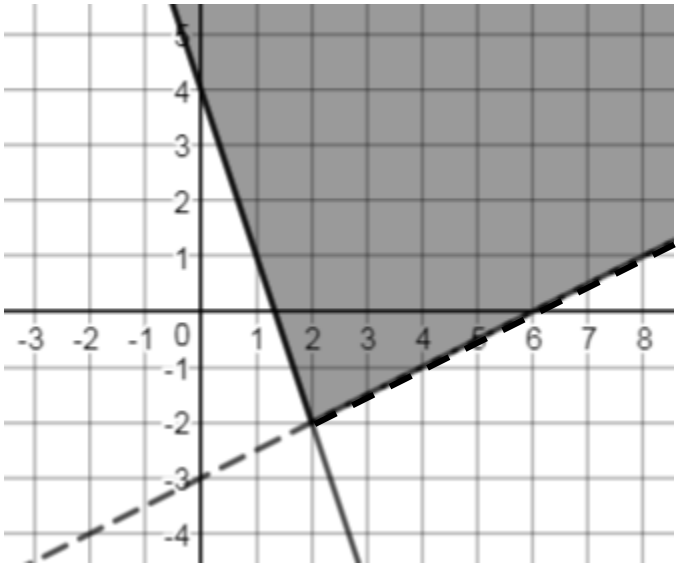


y ☐ $-\frac{2}{3}x + 1$



y ☐ $x - 4$

y ☐ $\frac{1}{2}x - 3$



y ☐ $-3x + 4$