

NAME: _____

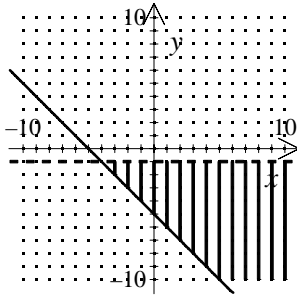
P.I. A.G.7: Graph and solve systems of linear inequalities with rational coefficients in two variables

1. Solve the system graphically:

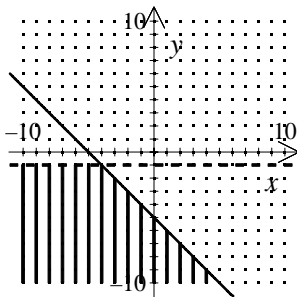
$$y \geq -x - 5$$

$$y < -1$$

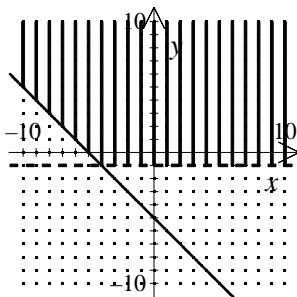
[A]



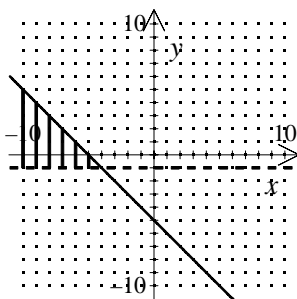
[B]



[C]



[D]

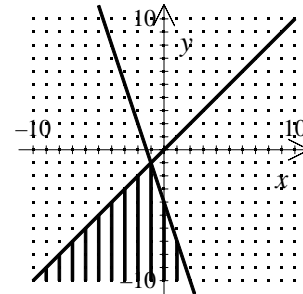


2. Solve the system graphically:

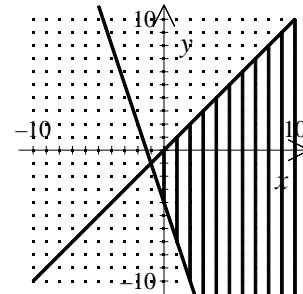
$$y \geq -3x - 4$$

$$y \leq x$$

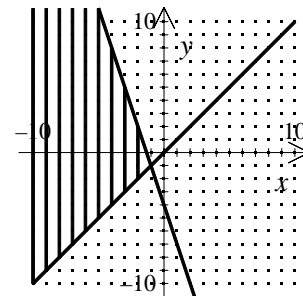
[A]



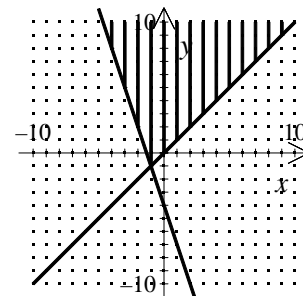
[B]



[C]



[D]



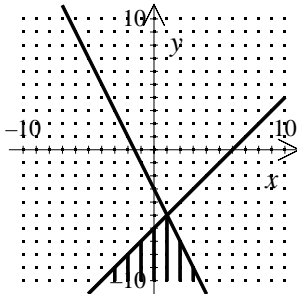
NAME: _____

3. Solve the system graphically:

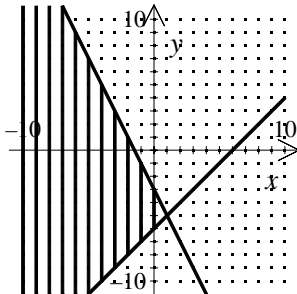
$$y \geq -2x - 3$$

$$y \geq x - 6$$

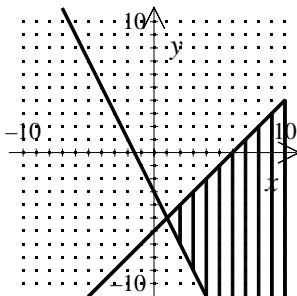
[A]



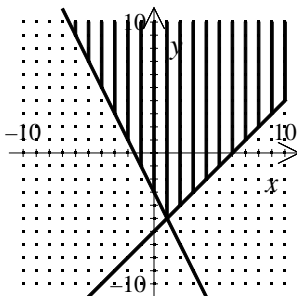
[B]



[C]

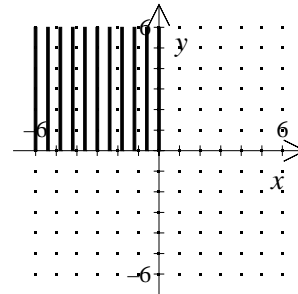


[D]

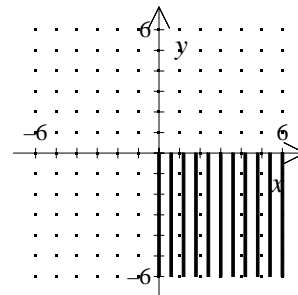


4. Which graph describes all the points in quadrant IV?

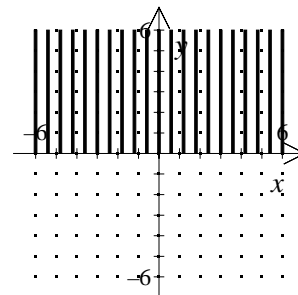
[A]



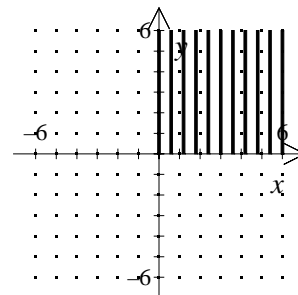
[B]



[C]



[D]



[1] A

[2] B

[3] D

[4] B