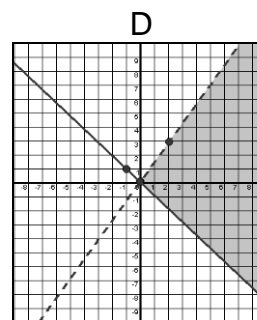
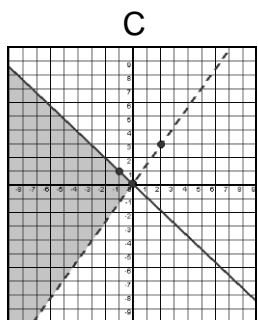
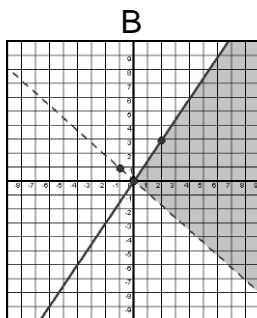
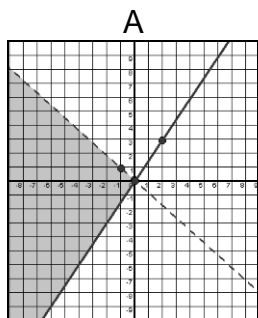


Algebra I EOC Practice #18

SPI 3102.3.9: Solve systems of linear equations/inequalities in two variables.

1. Which graph best represents the solution to the system of linear inequalities?

$$\begin{aligned}x + y &< 0 \\ 2y - 3x &\geq 0\end{aligned}$$



2. Which ordered pair, (x, y) , represents the solution for the system of equations?

$$\begin{aligned}x + 2y &= 13 \\ x - y &= -2\end{aligned}$$

- A. $(5, 3)$
B. $(8, 10)$
C. $(1, 6)$
D. $(3, 5)$

3. Which ordered pair, (x, y) , represents the solution for the system of equations?

$$\begin{aligned}3x - 5y &= 23 \\ x - 2y &= 9\end{aligned}$$

- A. $(-4, 1)$
B. $(1, -4)$
C. $(11, 2)$
D. $(13, 2)$

4. Which ordered pair, (x, y) , represents the solution for the system of equations?

$$\begin{aligned}3.5x + 5.5y &= 40 \\ x + y &= 8\end{aligned}$$

- A. $(6, 2)$
B. $(5, 3)$
C. $(2, 6)$
D. $(3, 5)$

5. Which graph best represents the solution to the system of linear inequalities?

$$\begin{aligned}x - y &\geq -3 \\ 6x + 3y &< 12 \\ y &\leq -1\end{aligned}$$

