

6) Solve each system using any method.

a)
$$\begin{cases} 3x + 2y = 6 \\ x - 2y = 10 \end{cases}$$

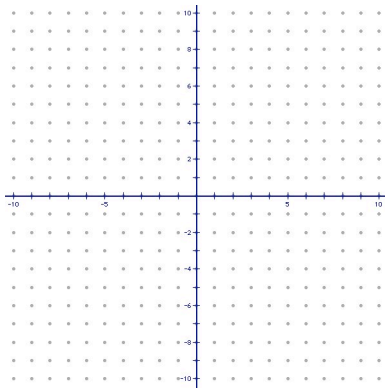
b)
$$\begin{cases} 4x + 7y = 28 \\ y = 2x - 14 \end{cases}$$

c)
$$\begin{cases} 3x + 2y = 6 \\ 6x + 4y = 8 \end{cases}$$

d)
$$\begin{cases} -2x + y = 4 \\ y = 2x + 4 \end{cases}$$

7) Solve the system of inequalities by

graphing:
$$\begin{cases} 8x + 2y > 6 \\ 2y \leq -x - 4 \end{cases}$$



8) Janna spends at most 2.5 hours a night on math and science homework. She spends at least 1 hour on math. Write a system of inequalities to model how she allots her time for these two subjects. Graph the system.

