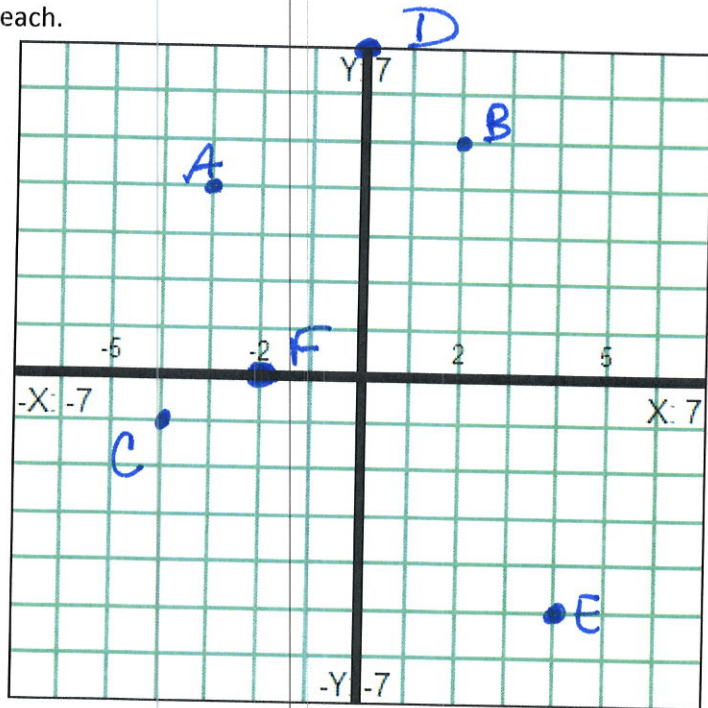


Instructions: Show all work. Use exact answers. Answer all parts of each question.

1. Plot the points on the graph. Label each.

- a. (-3,4)
- b. (2,5)
- c. (-4,-1)
- d. (0,7)
- e. (4,-5)
- f. (-2,0)



2. Graph the lines $y = \frac{1}{2}x + 4$ and $2x + y = 6$ on the graph below using the intercept method. Clearly label each line, and each intercept with coordinate points.

$$y = \frac{1}{2}x + 4$$

$$x=0 \Rightarrow y=4 \quad (0,4)$$

$$y=0$$

$$0 = \frac{1}{2}x + 4$$

$$\begin{array}{r} -4 \\ -4 \end{array} \quad \begin{array}{r} -4 \\ -4 \end{array} \quad (-8,0)$$

$$(-4 = \frac{1}{2}x) * 2$$

$$-8 = x$$

$$2x + y = 6$$

$$x=0 \Rightarrow y=6 \quad (0,6)$$

$$y=0 \quad \frac{2x}{2} = \frac{6}{2} \Rightarrow x=3 \quad (3,0)$$

