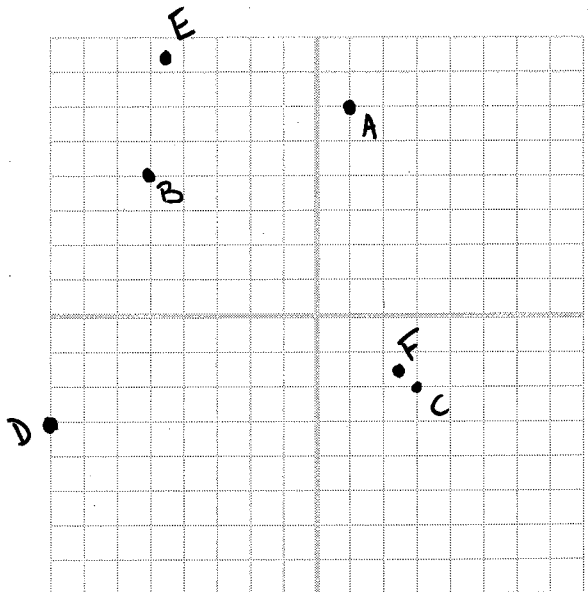
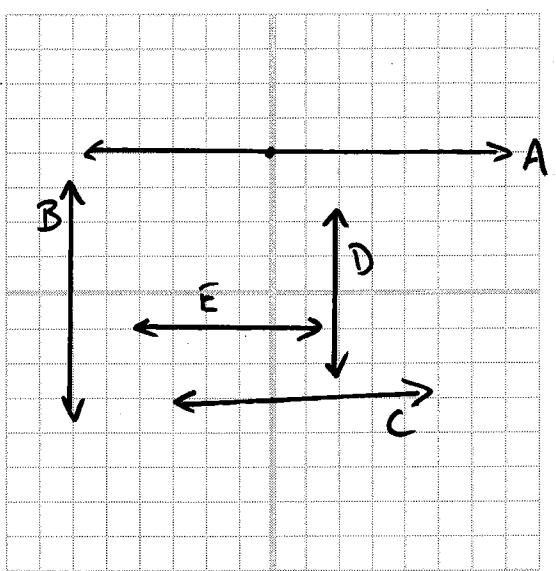


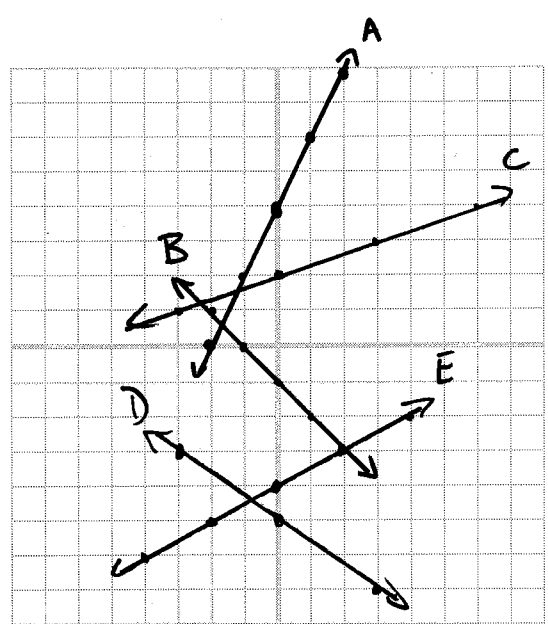
1.



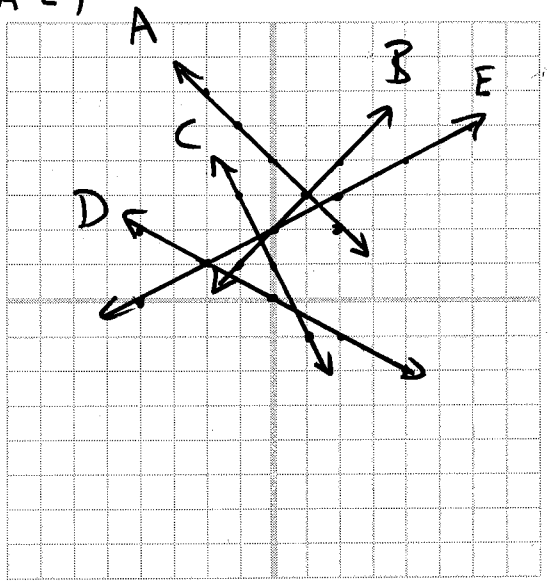
4.



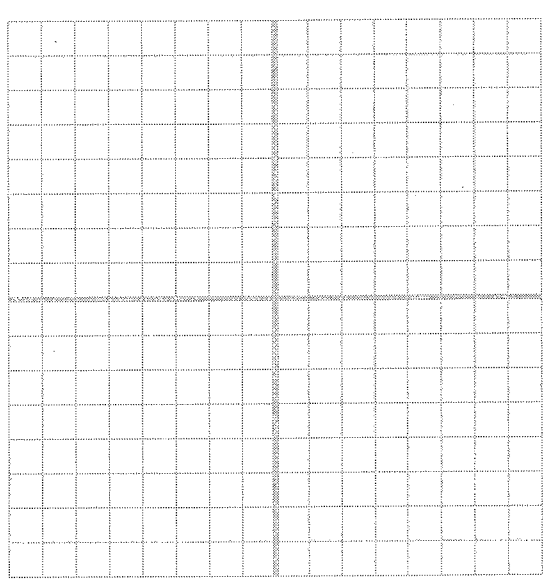
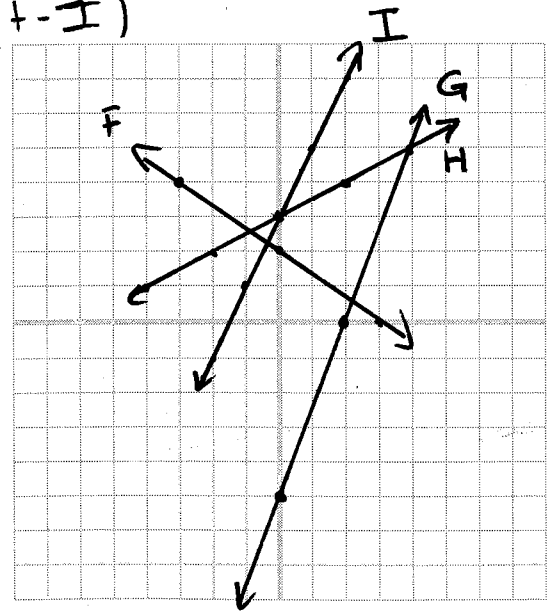
7.



9. (A-E)



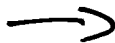
9. (F-I)



2. ORDER THE POINTS FOR THE LEAST TO GREATEST X-VALUE

3. $y = \frac{2}{3}x + 4$

x	y
-3	2
6	8
-9	-2
0	4
-6	0



x	y
-9	-2
-6	0
-3	2
0	4
6	8

$x = -3$

$y = \frac{2}{3}(-3) + 4$

$y = -2 + 4$
 $= 2$

$y = -2$

$-2 = \frac{2}{3}x + 4$
 $-4 \quad -4$

3. $-6 = \frac{2}{3}x \cdot 3$

$\frac{-18}{2} = \frac{2x}{2}$

$-9 = x$

$y = 0$

$0 = \frac{2}{3}x + 4$

3. $-4 = \frac{2}{3}x \cdot 3$

$\frac{-12}{2} = \frac{2x}{2}$

$x = -6$

$y = 8$

$8 = \frac{2}{3}x + 4$
 $-4 \quad -4$

3. $4 = \frac{2}{3}x \cdot 3$

$\frac{12}{2} = \frac{2x}{2}$

$x = 6$

$x = 0$

$y = \frac{2}{3}(0) + 4$

$y = 4$

5.

$$y = mx + b$$

$y \rightarrow$ y-coordinate

$x \rightarrow$ x-coordinate

$m \rightarrow$ Slope ($\frac{\text{rise}}{\text{run}}$)

$b \rightarrow$ y-intercept

6. CONVERT TO SLOPE-INTERCEPT FORM (ADD/SUBTRACT x 1ST, THEN MULTIPLY OR DIVIDE TO ISOLATE y). NEXT LOOK AT THE y -INTERCEPT (b) AND THE RISE/RUN OF THE SLOPE. CONNECT DOTS WITH A STRAIGHT LINE.

8. LINE A -

y -INTERCEPT @ $y = 2$

SLOPE, negative RISE-3 RUN-1

$$y = -3x + 2$$

LINE B -

y -INTERCEPT @ $y = 4$

SLOPE \rightarrow RISE-1 RUN-2

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

LINE C -

y -INTERCEPT @ $y = -3$

SLOPE RISE-4 RUN-1

$$y = 4x - 3$$

LINE D -

y -INTERCEPT @ $y = -5$

SLOPE \rightarrow NEGATIVE, RISE-1 RUN-3

$$y = -\frac{1}{3}x - 5$$

$$9. \quad a) \quad \begin{array}{r} x+y=4 \\ -x \quad -x \\ \hline y=-x+4 \end{array}$$

$$b) \quad \begin{array}{r} x-y=-2 \\ -x \quad -x \\ \hline -y=-x-2 \\ -1 \quad -1 \\ \hline y=x+2 \end{array}$$

$$c) \quad \begin{array}{r} 2x+y=1 \\ -2x \quad -2x \\ \hline y=-2x+1 \end{array}$$

$$d) \quad \begin{array}{r} x+2y=0 \\ -x \quad -x \\ \hline 2y=-x+0 \\ \frac{2y}{2}=\frac{-x+0}{2} \\ y=-\frac{1}{2}x+0 \end{array}$$

$$e) \quad \begin{array}{r} x-2y=-4 \\ -x \quad -x \\ \hline -2y=-x-4 \\ \frac{-2y}{-2}=\frac{-x-4}{-2} \\ y=\frac{1}{2}x+2 \end{array}$$

$$f) \quad \begin{array}{r} 2x+3y=6 \\ -2x \quad -2x \\ \hline 3y=-2x+6 \\ \frac{3y}{3}=\frac{-2x+6}{3} \\ y=-\frac{2}{3}x+2 \end{array}$$

$$g) \quad \begin{array}{r} 5x-2y=10 \\ -5x \quad -5x \\ \hline -2y=-5x+10 \\ \frac{-2y}{-2}=\frac{-5x+10}{-2} \\ y=\frac{5}{2}x-5 \end{array}$$

$$h) \quad \begin{array}{r} 4y-12=2x \\ +12 \quad +12 \\ \hline 4y=2x+12 \\ \frac{4y}{4}=\frac{2x+12}{4} \\ y=\frac{1}{2}x+3 \end{array}$$

$$i) \quad \frac{6x+9}{3}=\frac{3y}{3}$$

$$2x+3=y \\ y=2x+3$$

★ SEE GRID FOR GRAPHS

10. a) \$75
b) 50
c) \$525
d) 10
e) 85
f) $y = 5x + 75$

11. a) INDEPENDENT - # OF HOURS WORKED
DEPENDENT - \$ MADE

b) INDEPENDENT - DISTANCE DRIVEN
DEPENDENT - GAS USED