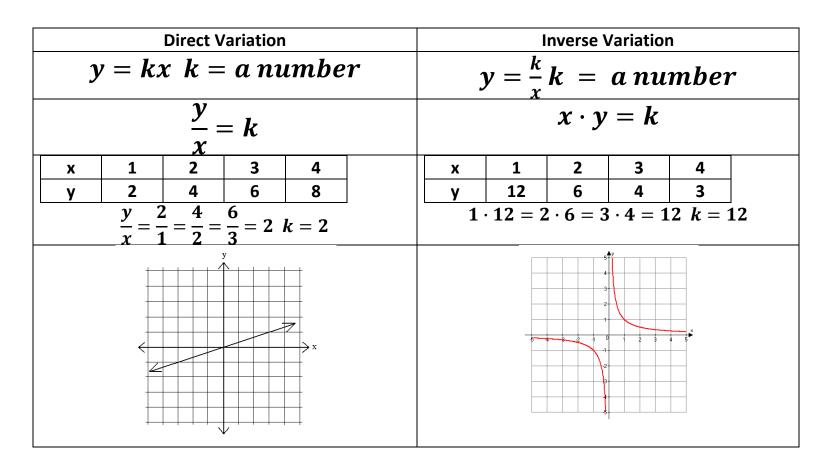


## \* Differences of Direct and Inverse Variations



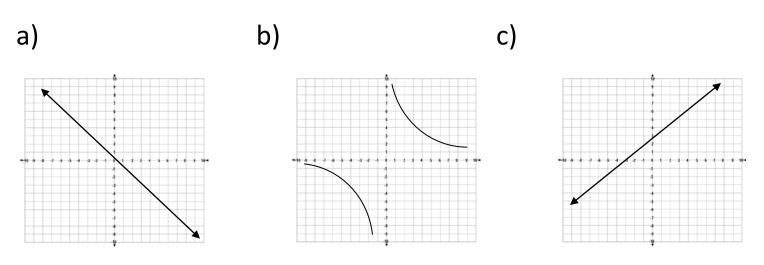
\* Determine if each is a direct variation, Inverse Variation , or neither. If it is a direct or inverse variation find k

Ex1) a) xy = 4 b)  $\frac{y}{2} = x$  c) y = 2x+3

Ex2)

| a) | x | -2 | -1  | 1  | 2 | 4 | x | -2 | -1 | 1 | 2 | 4  |
|----|---|----|-----|----|---|---|---|----|----|---|---|----|
|    | У | -8 | -16 | 16 | 8 | 4 | У | -8 | -4 | 4 | 8 | 16 |

Ex3) Determine if each graph is a direct/inverse variation or neither.



EX4) If x varies inversely for y, and y = 6 and x = -3

- a) write and equation for y
- b) Find the value of y when x =4

ex5) y = 3 and x = 24

- a) write and equation for y
- b) find the value of y when x = -6