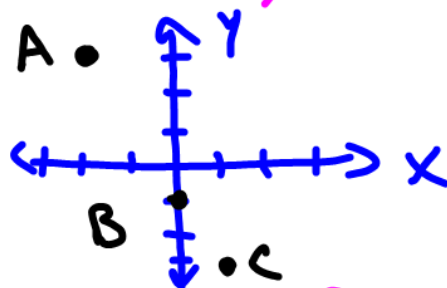


Warm-up

- ① Draw the Cartesian plane (graph)
 & label all quadrants & axes.



- ② Plot $A(-2, 3)$, $B(0, -1)$ & $C(1, -2)$



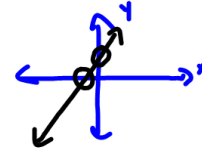
- ③ Solve $10x - 2y = 12$ for y

$$\begin{array}{r} -10x \qquad -10x \\ \hline -2y = 12 - 10x \\ \hline -2 \qquad -2 \\ y = -6 + 5x \end{array}$$

4.3 Intercepts!

- Easier way to graph
- Must be in standard form ($Ax + By = C$)

Intercept - Where the line connects with x & y - axis



How to graph $3x - 2y = 6$

1st - To get x-intercept, cover the y & solve

$$\begin{aligned} 3x - 2y &= 6 \\ 3x &= 6 \\ x &= 2 \end{aligned}$$

2nd - To get y-intercept, cover x & solve

$$\begin{aligned} 3x - 2y &= 6 \\ -2y &= 6 \\ \frac{-2y}{-2} &= \frac{6}{-2} \\ y &= -3 \end{aligned}$$

3rd - Plot & connect w/line

