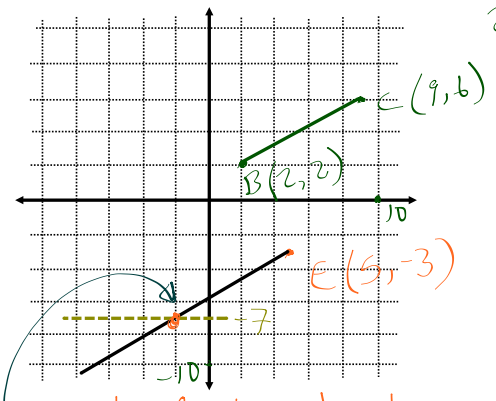


D should be about here (C, -7)

22. $m_{BC} = \frac{6-2}{9-2} = \frac{4}{7} = \frac{\Delta y}{\Delta x}$

$m = \frac{y_2 - y_1}{x_2 - x_1}$

use this with $m = \frac{4}{7}$ and

pt ① = (C, -7)

pt ② = (5, -3)

$\frac{4}{7} = \frac{-3-(-7)}{5-C}$

$\frac{4}{7} = \frac{4}{(5-C)}$

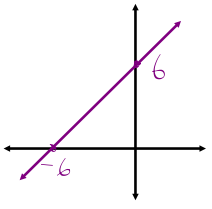
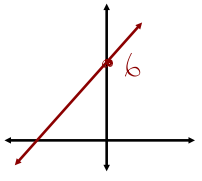
$\therefore$ $7 = 5 - C$ (+C, -7)

$C = 5 - 7$

$C = -2$

6.3 Exploring the Graphs of Linear Functions

Go to pg. 355 and complete ***Construct Understanding*** with a partner. Use the tables provided to record your results → DESMOS

Equation	*m*	*sketch of the graph*	*slope*	*x-int.*	*y-int.*
$y=mx+b$ $y=1x+6$	1		1	-6	6
$y=\frac{4}{7}x+6$	$\frac{4}{7}$		$\frac{4}{7}$	-10.5	6
	0				
	-				
	-				

tell me what happens when

$m > 0$

$m = 0$

$m < 0$

Equation	*b*	*sketch of the graph*	*slope*	*x-int.*	*y-int.*
$y=2x+b$ $y=2x+1$	1		2		

Pg. 356 # 1-7

answer D. and E.

Quiz Monday: 6.1 – 6.3