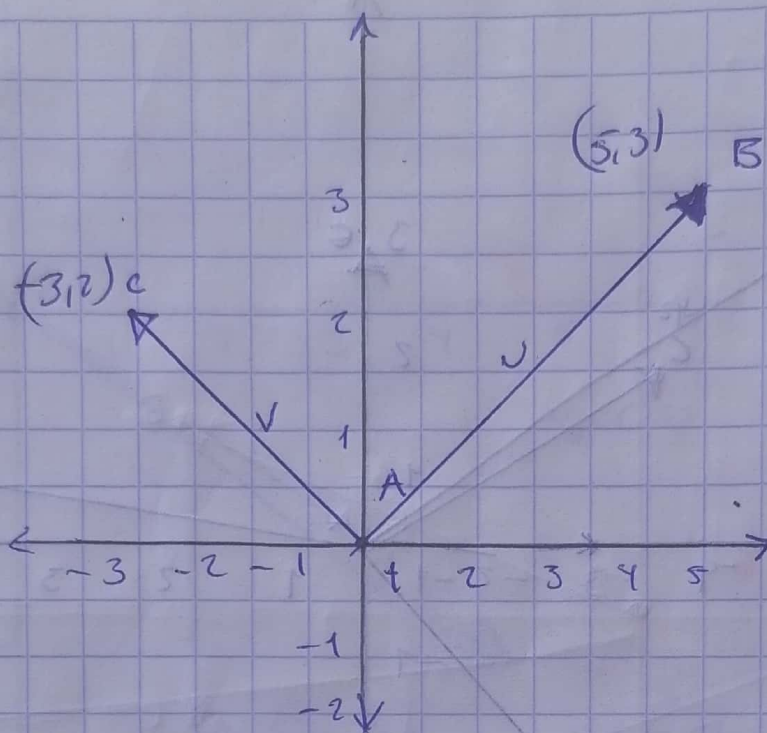


Constán De Dominguez Chaves 16/05/24



$$|v| = \sqrt{v_x^2 + v_y^2}$$

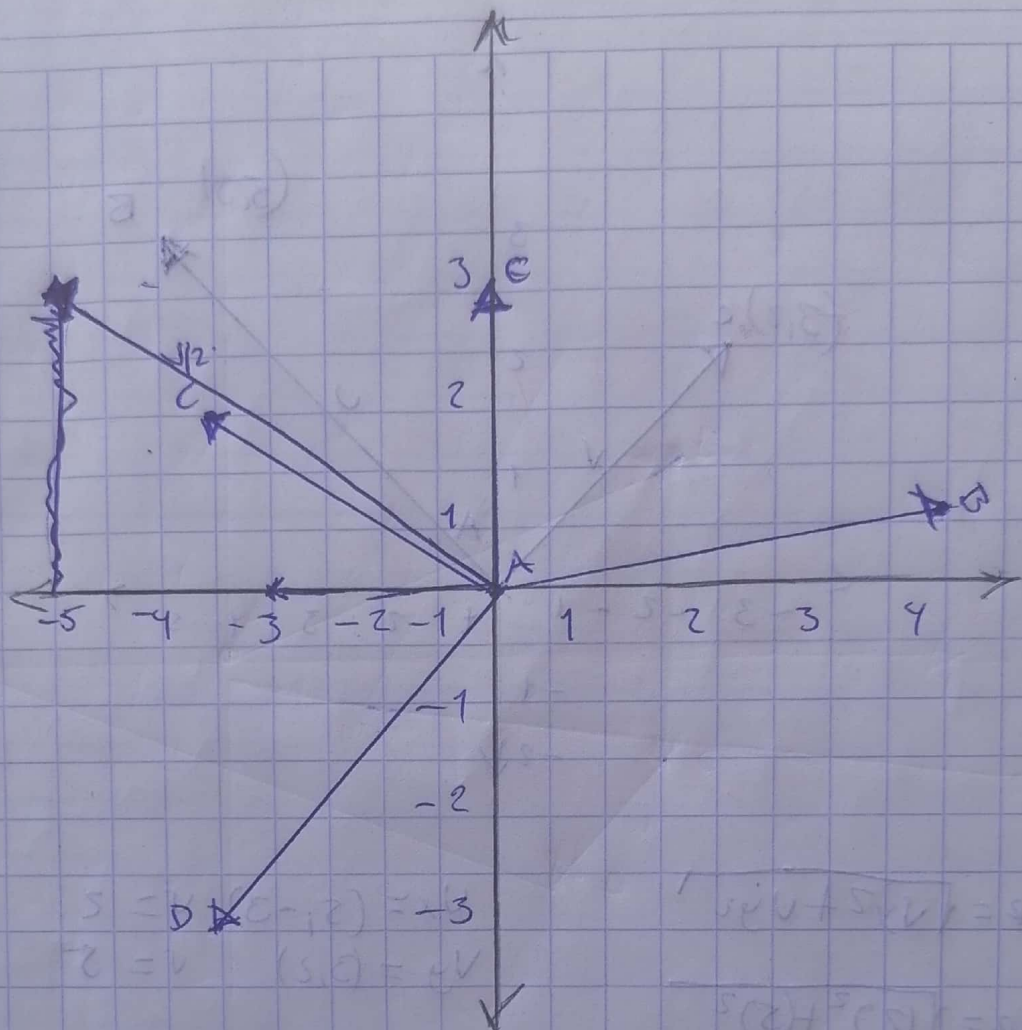
$$|v| = \sqrt{(-3)^2 + (2)^2}$$

$$|v| = \sqrt{9 + 4}$$

$$|v| = \sqrt{13}$$

$$u_x = (5, -3) \quad |u| = 2$$

$$u_y = (3, 2) \quad |u| = 5$$



B (4,1)	$v_x = 5$	$v_x = 4, 0, -3, -3, -3$
C (-3,2)	$v_x = 1$	$v_x = -5$
D (-3,-3)	$v_x = -6$	$v_y = 1, 3, 2, 0, -3$
E (0,3)	$v_x = 3$	$v_y = 3$
F (-5,0)	$v_x = 3$	$v_y = -5, 3$

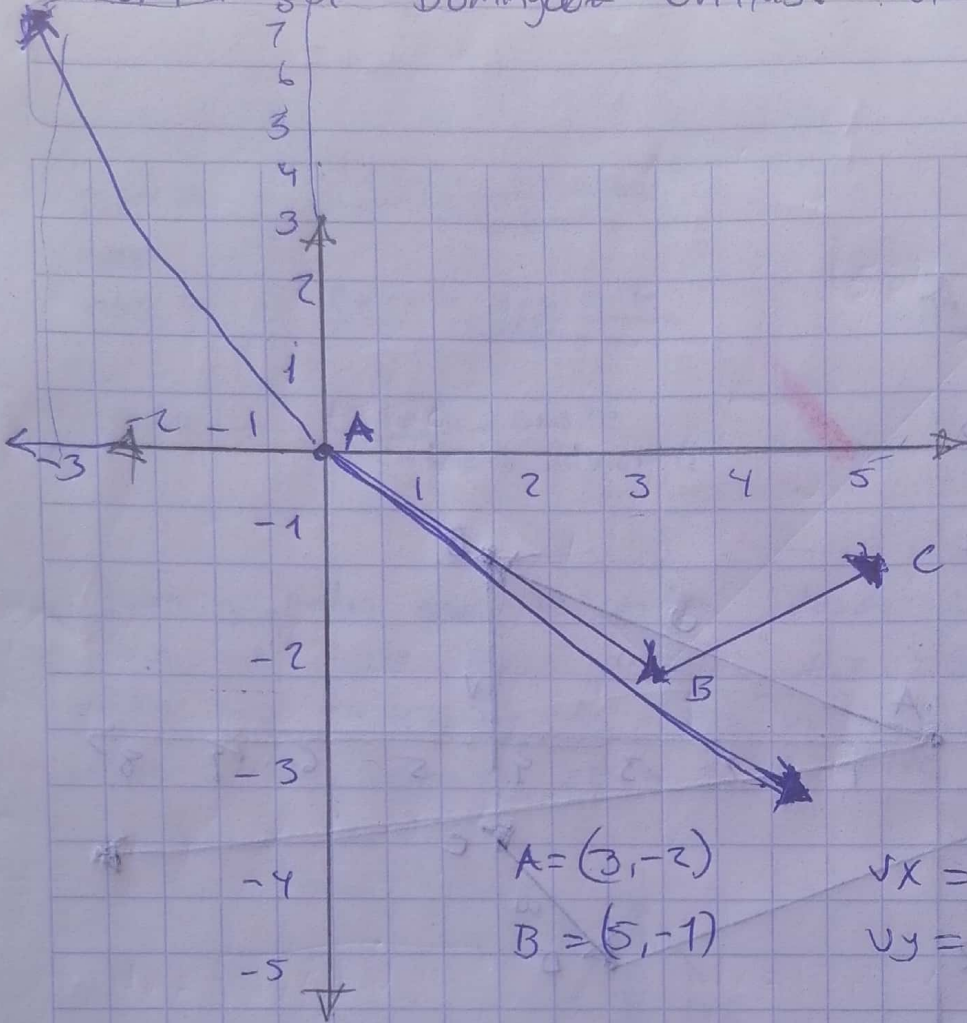
$$v_r = \sqrt{v_x^2 + v_y^2}$$

$$v_r = \sqrt{(-5)^2 + (3)^2}$$

$$v_r = \sqrt{25 + 9}$$

$$v_r = \sqrt{34}$$

Comitán De Domínguez Chiapas. 16/03/24



$$A = (3, -2)$$

$$B = (5, -1)$$

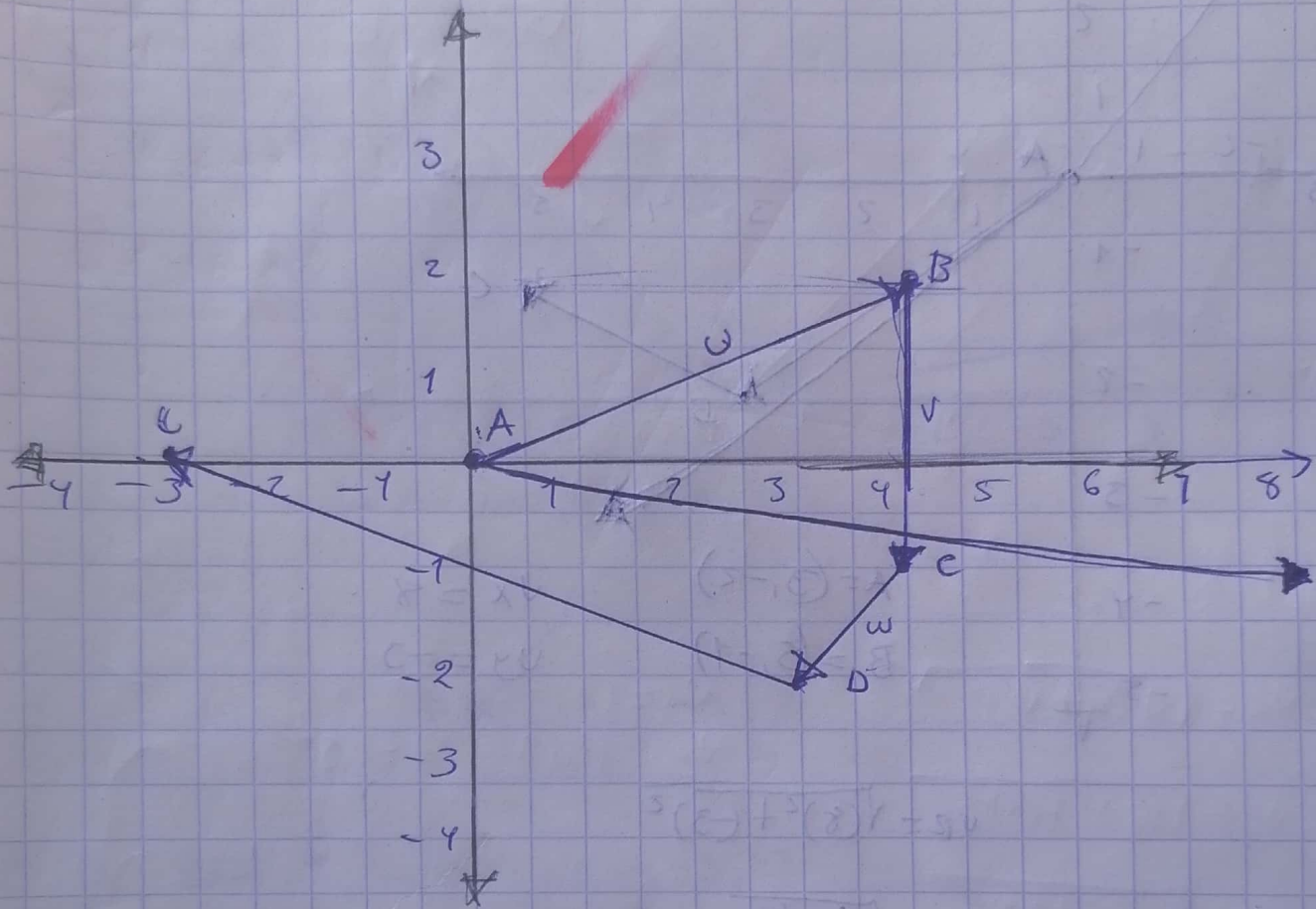
$$v_x = 8$$

$$v_y = -3$$

$$v_r = \sqrt{(8)^2 + (-3)^2}$$

$$v_r = \sqrt{64 + 9}$$

$$v_r = \sqrt{73}$$



$$a = (4, 2)$$

$$b = (4, -1)$$

$$c = (3, -2)$$

$$d = (-3, 0)$$

$$Vx = 8$$

$$Vy = -1$$

$$V_R = \sqrt{(8)^2 + (-1)^2}$$

$$V_R = \sqrt{64 + 1}$$

$$V_R = \sqrt{65}$$