

Diana Cruz 4to parcial

1) A(2,5) y B(-1,0)

$h^2 = a^2 + b^2$
 $d^2 = 3^2 + 5^2$
 $\sqrt{d^2} = \sqrt{3^2 + 5^2}$
 $d = \sqrt{9 + 25} = 5.83u$

2) a) (-1,0) y (3,-8)

$m = \frac{y_2 - y_1}{x_2 - x_1}$
 $m = \frac{-8 - 0}{3 - (-1)} = \frac{-8}{4}$
 $m = -2$
 $m = \tan \alpha = -2$
 $\alpha = \tan^{-1}(-2)$
 $\alpha = 63.43^\circ$

b) (-2,-4) y (0,7)

$m = \frac{y_2 - y_1}{x_2 - x_1}$
 $m = \frac{7 - (-4)}{0 - (-2)} = \frac{11}{2} = 5.5$
 $m = \tan \alpha = 5.5$
 $\alpha = \tan^{-1}(5.5)$
 $\alpha = 79.69^\circ$

ALUMNA: DIANA CITLALI CRUZ RIOS

4TO PARCIAL TERCER SEMESTRE
BACHILLERATO EN ENFERMERIA

PROCEDIMIENTOS QUE HIZE PARA EL EXAMEN

3) a) $m = -13$ $b = -7$

$y = mx + b$
 $y = -13x + (-7)$
 $(y = -13x - 7)$

b) $y = 12x - 15$

$\begin{cases} m = 12 \\ b = -15 \end{cases}$

4) a) A(5,4) y B(-1,-2)

$y - y_1 = \left(\frac{y_2 - y_1}{x_2 - x_1} \right) (x - x_1)$

Se puede sustituir

$y - y_1 = m(x - x_1)$

$m = \frac{y_2 - y_1}{x_2 - x_1}$
 $m = \frac{-2 - 4}{-1 - 5} = \frac{-6}{-6} = 1$ (pendiente (m))

$y - y_1 = 1(x - x_1)$
 $y - 4 = 1(x - 5)$
 $y - 4 = 1x - 5$
 $y = 1x - 5 + 4$
 $(y = 1x - 1)$

Diana Cruz

5) a) $a = 12$ $b = 14$ a)

$\frac{x}{a} + \frac{y}{b} = 1 \rightarrow \frac{x}{12} + \frac{y}{14} = 1$

b)

a) (-2,0) b) (0,-3)

$m = \frac{y_2 - y_1}{x_2 - x_1}$
 $m = \frac{-3 - 0}{0 - (-2)} = \frac{-3}{2} = m = -1.5$

$y - y_1 = m(x - x_1)$
 $y - 0 = -1.5(x - (-2))$
 $y - 0 = -1.5x + 2$
 $y = -1.5x + 2 + 0$
 $(y = -1.5x + 2)$

$y = -1.5x + 2$ $y = -1.5 + 2$
 $0 = -1.5a + 2$ $b = -1.5(0) + 2$
 $1.5a = 2$ $b = 2$
 $a = \frac{2}{1.5}$ $\frac{x}{a} + \frac{y}{b} = 1 \rightarrow \frac{x}{1.3} + \frac{y}{2} = 1$
 $a = 1.3$