

Michelle Andres Gamboa Lopez Calculo

I a)  $P_1(2,10)$   $P_2(13,20)$

$$\frac{20-10}{13-2} = \frac{10}{11} = 0.90 \quad \theta = 41.98$$

b)  $P_1(-1,-1)$   $P_2(12,-8)$

$$\frac{-8-(-1)}{12-(-1)} = \frac{-7}{13} = 0.53 \quad \theta = 27.92$$

II  $m=2y$   $P_1(-5,2)$   $P_2(1,4)$

$$\frac{4-?}{1-(-5)} = \frac{4-?}{1+5} = \frac{4-?}{6} = \frac{4-(-8)}{6} = \frac{12}{6} = 2$$

b)  $m = -\frac{2}{3}y$   $P_1(-1,5)$   $P_2(2,-3)$

$$\frac{?-(-1)}{2-5} = \frac{?+1}{2-5} = \frac{?+1}{-3} = \frac{-3+1}{-3} = \frac{2}{3}$$

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

$$y = -13x - 7$$

b)  $m=2$   $b=9$

$$y = 2x + 9$$

Michelle Andrea Gombosa López

Cálculo

④ a)  $y = 12x - 15$

$m = 12$   $b = -15$

b)  $y = -2x + 5$

$m = -2$   $b = 5$

⑤ a) Recta 1

$y = -2x - 4$

b) Recta 2

$y = -3x + 5$

⑥ a)  $b = 15$   
 $m = \frac{9}{1}$

$y = 9x + 15$   
 $y = 9(1) + 15$   
 $y = 9 + 15$   
 $y = 24$

b)  $b = 650$   
 $m = \frac{15}{1}$

$y = 15x + 650$   
 $y = 15(7) + 650$   
 $y = 105 + 650$   
 $y = 755$