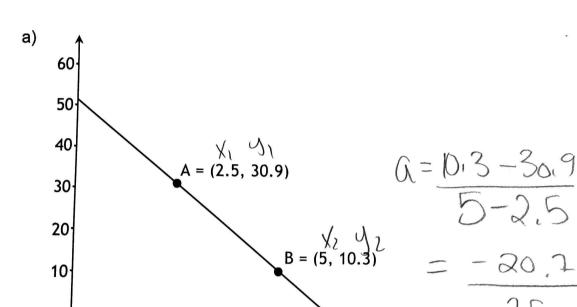
## **SLOPE OF A LINE**

1. Calculate the slope of the line for the following functions represented on each of the Cartesian Planes below.



5

4

b) X = -8.28 or = 20 + 20 + 20 = 25 A(-6, 1)

X LUL L A(-6, 1) X B(0, -3) C(3, -5)

Ż

3

1

0

c)

$$G = \frac{1 - 3}{-6 - 0} = \frac{4}{-6}$$

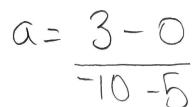
$$A = \frac{-2}{3}$$

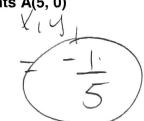
$$a = \frac{42 - 18}{21 - 9} = \frac{24}{12} = 2$$

## SLOPE OF A LINE

2. What is the slope of a linear function that passes through the points A(5, 0)

and B(-10, 3)?

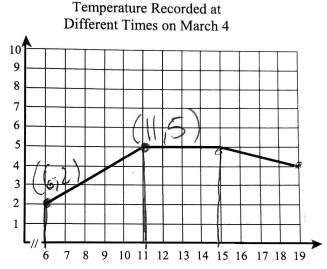




3. The graph below illustrates the different temperatures recorded last March 4 from 06:00h to 19:00h

Temperature

(° C)



Time (hours)

What was the slope in temperature between the following times?

a) 06:00h and 11:00h

$$(6,2)$$
  $(11,5) \rightarrow a = \frac{5-2}{11-6}$ 

b) 11:00h and 15:00h 
$$(11.5)(15.5)$$
  $(15.5)$   $(15.5)$ 



c) 15:00h and 19:00h

while 
$$(1515)(1914)$$
  $\Rightarrow \alpha = 4-5$   $= 4$