y = m x + b

Sintial valuely-interest

Slope //ate of
clarge

Notes:

(1) The adopt late of change of a linear function Services constant.

E) The glaph of a lineal function is a line.

Recall: m=slope = $\frac{\partial y}{\partial x} = \frac{f_{ise}}{f_{in}}$

(3) Recall: standard feln: y= mx+15

point-slope folin: y-y, = n(x-x,)

Ex) Let $f(x)=x^2$. Find the equation of the second line between a=2, b=9.

Slope= $\frac{27}{0x}=\frac{f(b)-f(-)}{b-a}=\frac{4^2-2^2}{4-2}=6$.

 $(x_{11}y_{1})=(2,2^{2}).$ \longrightarrow by pant slope, the line is y=0 = 6(x-2) of y=6x-8.

Discuss Q2 en glo-pulk

Det The quantity A is proportional to B it

A= k-B for some constant k.

k is called the constant of proportionality.

Glospulk. Q3.