Cartesian Plane

POINT SLOPE FORM AND SLOPE INTERCEPT FORM

• Slope of a line Segment

If ø is the inclination of a line I then tan ø is called the slope or gradient of the line I.



• Slope of a line when co-ordinates of any two point on the line are given.



• Point Slope Form

If a line A has slope m and if $(x_{0,} y_{o})$

Is any point on A than A has the equation.

=> y-y₀=m(x-x₀)

• Slope Intercept Form

If A has slope m and A hits the y axis at (0, b) then

Y= mx+b is an equation for A where m is the slope and b is the y intercept.

