

SLOPE:
$$\frac{RiSE}{RUN} = \frac{Y_2 - Y_1}{X_2 - X_1}$$

RiSE = $\frac{Y_2 - Y_1}{X_2 - X_1}$

= $\frac{30 - 10}{20}$

RUN = $\frac{X_2 - X_1}{X_2 - X_1}$

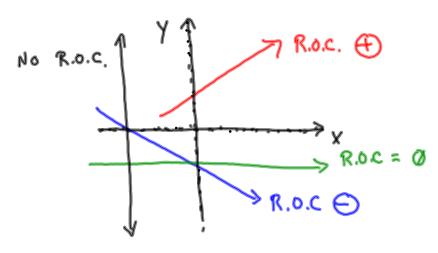
= $\frac{2 - 1}{X_1 - X_2}$

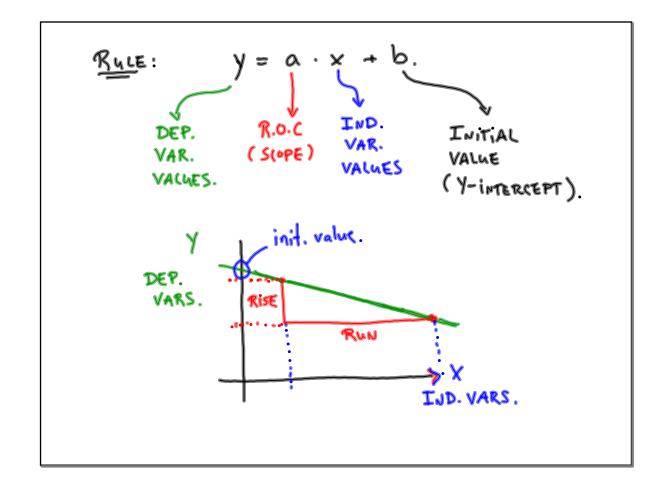
SLOPE = RISE =
$$\frac{Y_2 - Y_1}{X_2 - X_1} = \frac{20}{1} = 20$$

FOR EVERY I STEP TO THE ROOM THE X-AXIS, MY DEP VAR.
GOES UP BY 20

NOTES ON SLOPES.

- → -ive Scope GOES & AS YOU STEP TO THE R
- + ive SLOPE GOES & AS YOU STEP TO THE R.
- → SCOPE = Ø MEANS HORIZONTAL LINE.
- -> LINE STRAIGHT UP & DOWN : NO SLOPE.





MAKING A GRAPH.

- (1) LABEL YOUR AXES → X AXIS : IND. VAR. → Y AXIS : DEP. VAR.
- 2) CHOOSE A PROPER SCALE FOR EACH AXIS

 LOOK @ BIGGEST #, GO A LITTLE BIGGER &

 MAKE REGULAR DIVISIONS BACK TO Ø (ORIGIN).
- 3 PLOT 3 POINTS (X,Y) & CONNECT FOR A STRAIGHT LINE.
- TITLE: Y' DEPENDS ON X'

 DEP. VAR DEPENDS ON IND. VAR.

NOTES ON INTERCEPTS.

Y-INTERCEPT: Y-VALUE AS THE LINE CROSSES THE

Y-AXIS (@ THE START, X = 0)

X-INTERCEPT: X-VALUE AS THE LINE CROSSES THE (AKA: THE ZERO) X-AXIS (WHERE Y= Ø)

