

RATE OF CHANGE(ROC) aka: SLOPE

A fraction which shows the constant PATTERN OF CHANGE in a relation or a line



3 WAYS TO FIND IT:

TABLE

X	Y
5	3
10	6
20	12

$\frac{3}{5} = \frac{6}{10}$
 ROC = $\frac{3}{5}$

COORDINATES

FORMULA:

$Y_2 - Y_1 = ROC$

$X_2 - X_1$

EX: (7,10) (11,13)

$X_1 \quad Y_1 \quad X_2 \quad Y_2$
 SOLVE: $\frac{13-10}{11-7} = \frac{3}{4}$

ROC: $\frac{3}{4}$

GRAPH

ROC: $\frac{20\$}{2H} = \frac{10\$}{1H}$



