Types of RELATIONS
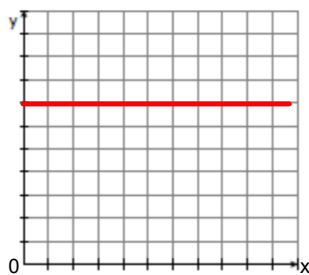
1) ZERO (aka CONSTANT)

Looks like a straight line PARALLEL to the x-axis

ROC is 0

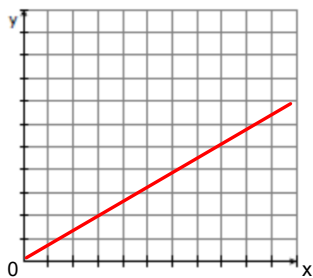NOT proportional

Dependant variable remains constant:

y = a number

hrs	1	2	3
costs	20	20	20

2) DIRECT

y = # (x)

Looks like a straight line that crosses the origin (0,0)
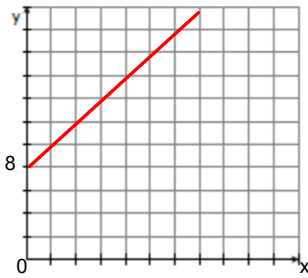
ROC is constant

#'s are proportional

3) PARTIAL

Looks like a straight line that DOES NOT pass through (0,0)

Not parallel to an axis

ROC is constant

Not proportional

y = #(x) +/- a number

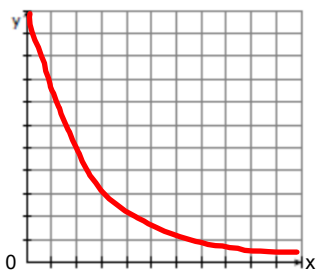### 4) INVERSE (aka Rational)

Looks like a CURVED line

ROC is not constant

Not proportional

IND #s increase while DEP #'s decrease

$y = \dfrac{total}{x}$