BE-1B FRIDAY 9-8-06

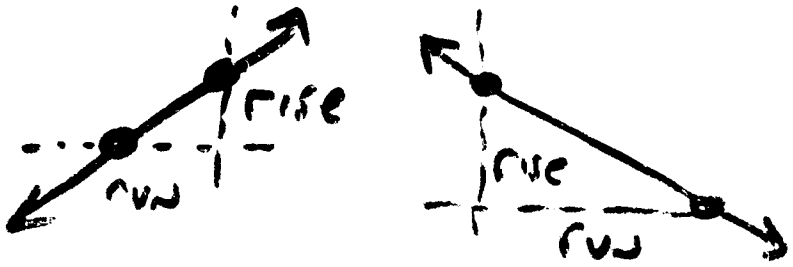
AHSGE Workbooks

Pg	Problem
48	7
50	5
52	3

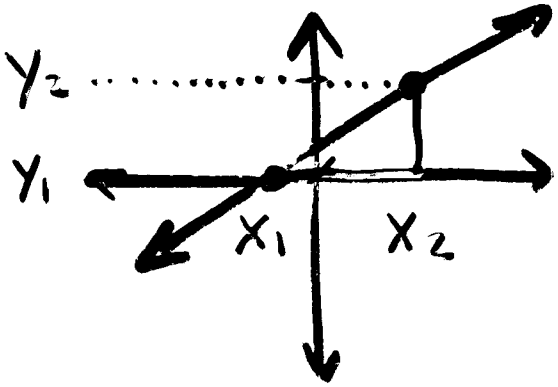
SLOPE A MEASURE OF THE "STEEPNESS" OF A LINE.

SLOPE IS A NUMBER

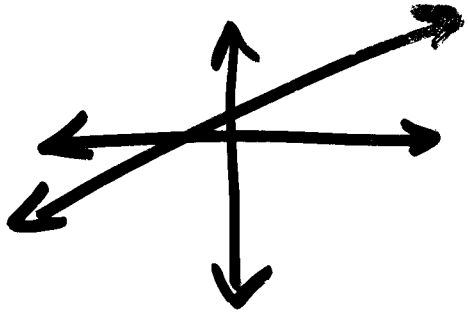
$$\text{SLOPE} = \frac{\text{RISE}}{\text{RUN}}$$



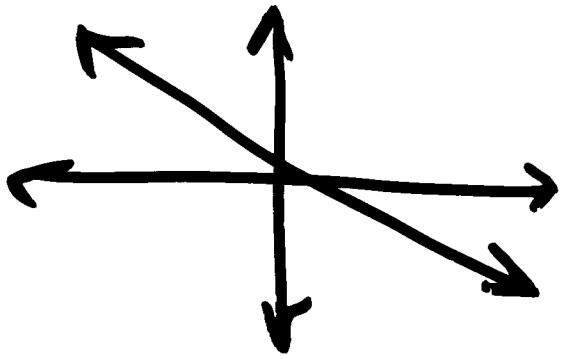
ON THE X-Y COORDINATE PLANE



$$\text{SLOPE} = m = \frac{\text{rise}}{\text{run}} = \frac{y_2 - y_1}{x_2 - x_1}$$

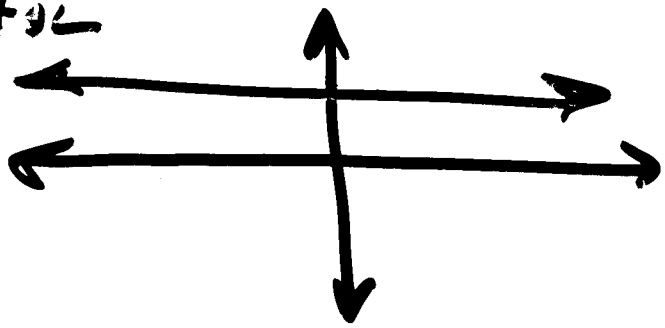


+



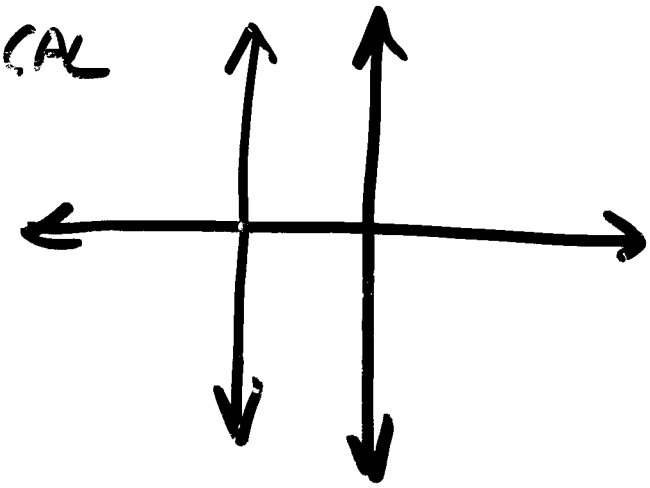
−

horizontal



0

VERTICAL



UNDEFINED

N

CANNOT ÷ by 0

Ex 1 → 4 Pg 257 Find m

① $(-1, 2), (3, 4)$

② $(-1, -2), (-4, 1)$

③ $(1, 2), (-1, 2)$

④ $(1, -2), (1, 3)$

Ex 5 Pg 258 Find the missing coordinate r

$m = -\frac{2}{3}$; $(r, 6), (10, -3)$

HW Read Ch. 5-1

Pg 260 # 17-24, # 35, 36, 44