

# HW #3

P100

#7

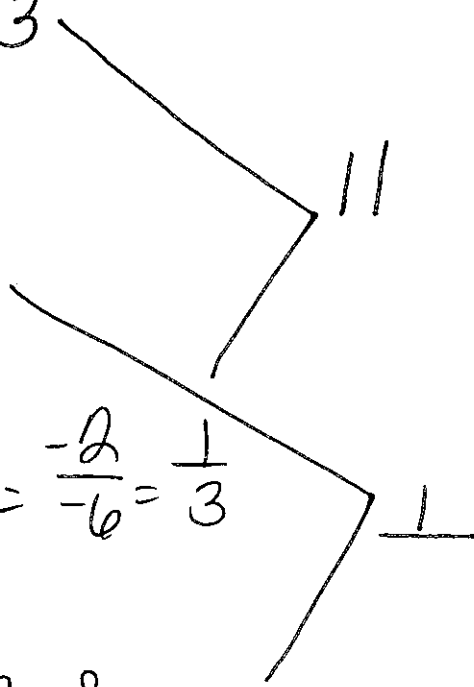
Blue (line a)

$$m = \frac{6-4}{5-1} = \frac{2}{4} = \frac{1}{2}$$

Red (line b)  $m = \frac{2-1}{3-1} = \frac{1}{2}$

Green (line c)  $m = \frac{-2-0}{-3-3} = \frac{-2}{-6} = \frac{1}{3}$

Purple (line d)  $m = \frac{6-2}{1-3} = \frac{4}{-2} = -2$



#9 Line 1:  $(1,0)$   $(7,4)$   $m = \frac{4-0}{7-1} = \frac{4}{6} = \frac{2}{3}$   
Line 2:  $(7,0)$   $(3,6)$   $m = \frac{6-0}{3-7} = \frac{6}{-4} = -\frac{3}{2}$