

Bell Ringer

1.) Find the slope of a line that contains the given points.

i.) A(-2, 3) B(2, 1) $m = \frac{1 - 3}{2 - (-2)} = \frac{-2}{4} = \frac{-1}{2}$

ii.) C(6, 7) D(1, 3) $m = \frac{3 - 7}{1 - 6} = \frac{-4}{-5} = \frac{4}{5}$

iii.) E(-1, 3) F(2, 4) $m = \frac{4 - 3}{2 - (-1)} = \frac{1}{3}$

2.) find the slope and y-intercept of the line for the given equations.

a.) $y = -4/3x + 4$

Slope $-4/3$

y-int. 4

b.) $8x + y = 2$ $y = -8x + 2$

Slope $-8/1$

y-int. 2