February 4, 2015

* SSC #2 Due Friday
  * only the Cumulative page
* Quiz #4 - Friday
  - Slope

Feb 4-9:56 AM

3.2 #7) (2, 0) ≠ (2, 2)

① m ? * Note: it is a line, but not a function!

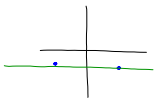
② $m = \frac{(2)-(0)}{(2)-(2)} = \frac{2}{0}$ = und

≠ not equal to

7 ≠ 10

Feb 4-10:01 AM

#8) (−9, −3) ≠ (6, −3)

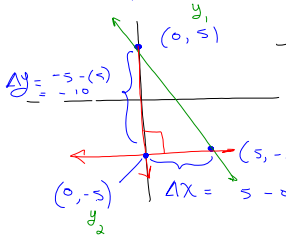
① 

So, m = 0

② $m = \frac{(-3)-(-3)}{(6)-(-9)} = \frac{-3+3}{6+9} = \frac{0}{15} = 0$

Feb 4-10:07 AM

#12) (0, 5) ≠ (5, −5)

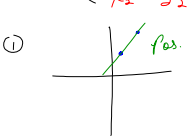


$m = \frac{(-5)-5}{(5)-(0)} = \frac{-10}{5} = -2$

$m = \frac{(5)-(-5)}{(0)-(5)} = \frac{5+5}{-5} = \frac{10}{-5} = -2$

Feb 4-10:09 AM

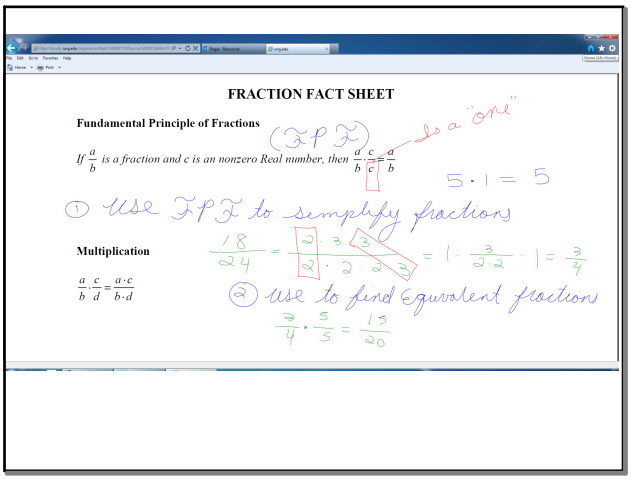
(2, 5) ≠ (3, 7)

① 

① $m = \frac{(7)-(5)}{(3)-(2)} = \frac{2}{1} = 2$

② $m = \frac{(5)-(7)}{(2)-(3)} = \frac{-2}{-1} = 2$

Feb 4-10:18 AM



FRACTION FACT SHEET

Fundamental Principle of Fractions

If $\frac{a}{b}$ is a fraction and c is an nonzero Real number, then $\frac{a}{b}\cdot\frac{c}{c}=\frac{a}{b}$ (FPF) "a one"

Multiplication

$\frac{a}{b}\cdot\frac{c}{d}=\frac{a\cdot c}{b\cdot d}$

5 · 1 = 5

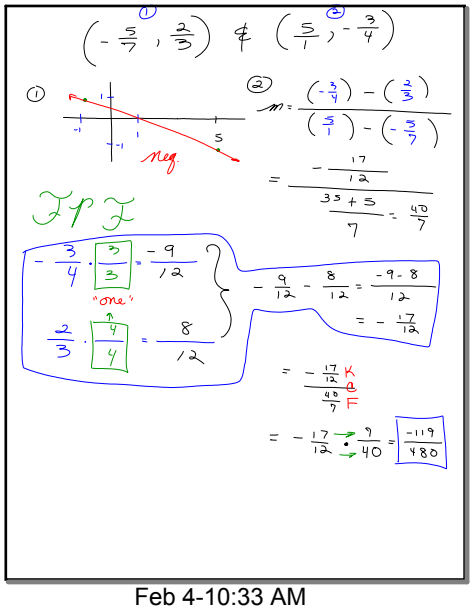
① use FPF to simplify fractions

$\frac{18}{24} = \frac{2\cdot 3\cdot 3}{2\cdot 2\cdot 2\cdot 3} = 1\cdot\frac{3}{2\cdot 2}\cdot 1 = \frac{3}{4}$

② use to find equivalent fractions

$\frac{3}{4}\cdot\frac{5}{5} = \frac{15}{20}$

Feb 4-10:33 AM



Feb 4-10:33 AM