February 9, 2016

* SSC #2 & Quiz #4 Tomorrow

* Fraction Problems due Friday

Feb 9-9:08 AM

$$\frac{\frac{3}{x}+\frac{1}{x}}{\frac{x^2}{2}} = \frac{\frac{4}{x}}{\frac{x^2}{2}}$$ K C F

$$= \frac{4}{x} \cdot \frac{2}{x^2} = \frac{8}{x^3}$$

Feb 9-9:11 AM

Algebra

$5x$, $1y$, $-t$

Coefficient

Term: a variable or a variable & a coefficient

$3yt$, 5, x^2

Expressions: groups of terms using + or −

$2x^2+3x-5$, $2y$, $x+2$

Equations: expressions or terms with "="

$x+2=4$,

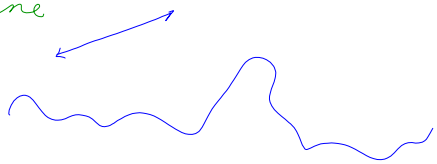
$x^2-9x+5=25$

$\sqrt{5}-3=10x$

Feb 9-9:23 AM

Linear Equations

A Line



Feb 9-9:32 AM

Solving Linear Equations

One-Step Equations

$x-3=6$

$+3 \quad +3$

need to isolate the variable "x"

$x+0=9$

$x=9$

① $x-3=6$ & ② $x=9$

Equivalent Equations

① $(9)-3=6$

$6=6$ true ✓

② $(9)=9$ true

Feb 9-9:34 AM

$2x+4=8$

Product sum

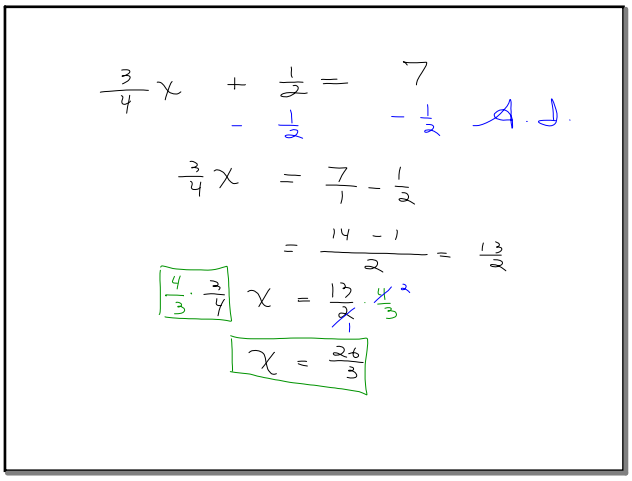
①

$-4 \quad -4$ A.A.

$\frac{2x}{2}=\frac{4}{2}$

$x=2$ M.A.

Feb 9-9:45 AM



Feb 9-9:48 AM