

February 22, 2016

\* Exam #1 - Friday

- \* 1.1 - 1.3
- \* 2.1 - 2.4
- \* All quizzes
- \* All assignments

Feb 22-9:00 AM

2.3 Fractions

↑

Decimal \* power of 10

LCD: 10

$$10 \left( 2.\overset{\cdot}{3}X + 1.\overset{\cdot}{3} = 4.\overset{\cdot}{5}X \right)$$

$$23X + 13 = 45X$$

$$\frac{13}{22} = \frac{22X}{22}$$

$\frac{13}{22} = X$

Feb 22-9:12 AM

LCD: 100

$$100 \left( -1.\overset{\cdot}{25}X + 2.\overset{\cdot}{60} = -3.\overset{\cdot}{85}X \right)$$

$$-125X + 260 = -385X$$

$$\frac{260X}{260} = \frac{-260}{260}$$

$X = -1$

Feb 22-9:22 AM

Do 2.3

Feb 22-9:28 AM

2.4 Solving "Formula" equations

$$\frac{E}{c^2} = \frac{mc^2}{c^2}, \text{ solve } m$$

$\frac{E}{c^2} = m$

Feb 22-9:28 AM

$$\begin{matrix} a & + & b & - & c & = & d, & \text{for } b \\ -a & & & + & c & & +c & \\ & & & & & & -a & \end{matrix}$$

$b = d + c - a$

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$\text{LCD: } a-bcd$

$$abcd \left( \frac{1}{a} + \frac{1}{b} - \frac{1}{c} = \frac{1}{d} \right) \text{ for } b$$

$$\frac{abcd}{1} \cdot \frac{1}{a} + \frac{abcd}{1} \cdot \frac{1}{b} + \frac{abcd}{1} \cdot \frac{1}{c} = \frac{abcd}{1} \cdot \frac{1}{d}$$

$$\boxed{b}cd + acd - a\boxed{b}d = a\boxed{b}c$$

$$-abc - acd \qquad \qquad \qquad -abc - acd$$

$$bcd - abd - abc = -acd$$

$$\frac{b(cd - ad - ac)}{(cd - ad - ac)} = -acd$$

$$b = \frac{-acd}{(cd - ad - ac)}$$

Feb 22-9:35 AM

#3)  $\circ \boxed{\text{☺}} - \triangle = - \text{☺} + \triangle$  for ☺

$$\frac{\begin{matrix} \circ \\ \circ \end{matrix}}{\text{"one"}} = \frac{-\text{☺} + \triangle}{\circ} \quad \text{A.J.}$$

$$\circ = - \frac{\text{☺} + \triangle}{\circ} \quad \text{M.J.}$$

Feb 22-9:46 AM