

February 13, 2017  
 \* Exam #1 - next Monday

Feb 13-9:05 AM

#6)  $\frac{5(7-x)}{2} = x$

$\frac{2}{1} \left( \frac{35-5x}{2} = \frac{x}{1} \right)$  Dist  
 LCD: 2

$\frac{2}{1} \cdot \frac{35-5x}{2} = \frac{2}{1} \cdot \frac{x}{1}$

$35 - 5x = 2x$  Dist LCD  
 $\quad \quad \quad +5x \quad \quad +5x$

$\frac{35}{7} = \frac{7x}{7}$  A.D.

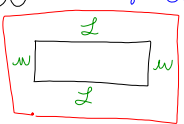
$5 = x$  M.D.

Feb 13-9:10 AM

#9)  $P = 2L + 2W$  solve for L

$P - 2W = 2L$  A.D.

$\frac{P-2W}{2} = L$  M.D.



Feb 13-9:25 AM

#10)  $I = \frac{9}{5}C + 32$ ; solve for C

$I - 32 = \frac{9}{5}C$

$\frac{I}{\frac{9}{5}F} - \frac{32}{\frac{9}{5}F} = C$

$\frac{I}{9} \cdot \frac{5}{9} - \frac{32}{9} \cdot \frac{5}{9} = C$

$\frac{I5 - 160}{9} = C$

$\frac{I5 - 160}{9} = C$

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$5(I = \frac{9}{5}C + 32)$  LCD: 5

$5I = 9C + 160$  Dist

$5I - 160 = 9C$  A.D.

$\frac{5I - 160}{9} = C$  M.D.

Feb 13-9:35 AM

$\frac{abc}{T} \left( \frac{1}{a} - \frac{1}{b} + \frac{1}{c} = \frac{1}{x} \right)$ ; solve for x

$\left[ \frac{abc}{1} \cdot \frac{1}{a} \right] + \left[ \frac{abc}{1} \cdot \left( -\frac{1}{b} \right) \right] + \left[ \frac{abc}{1} \cdot \frac{1}{c} \right] = \left[ \frac{abc}{1} \cdot \frac{1}{x} \right]$

$bcx - acx + abx = abc$  Dist

$bcx + abx - abc = acx$

$b(cx + ax - ac) = acx$  Dist

$\frac{b(cx + ax - ac)}{(cx + ax - ac)} = \frac{acx}{(cx + ax - ac)}$

$b = \frac{acx}{cx + ax - ac}$

Feb 13-9:37 AM