

August 31, 2015  
 Quiz #2 - Wednesday  
 \* using our Tools  
 to simplify  
 equations.

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\$, \Delta, \odot, \square, \phi, \infty\$  
 #1)  $\Delta(\odot + \square) - \$ = \infty$ , for  $\odot$   
 $\Delta\odot + \Delta\square - \$ = \infty$  Dist. & Adj.  
 $\Delta\odot + \Delta\square = \infty + \$$  Adj. & Adj.  
 $\Delta\odot = \frac{\infty + \$ - \Delta\square}{\Delta}$  //  
 $\odot = \frac{\infty + \$ - \Delta\square}{\Delta}$  M.J.

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#2)  $\infty(\odot - \Delta) + \phi = \square$ , for  $\Delta$   
 $\infty\odot - \infty\Delta + \phi = \square$  Dist. & Adj.  
 $-\infty\odot - \phi - \infty\odot - \phi$   
 $-\infty\Delta = \square - \infty\odot - \phi$  Adj. & Adj.  
 $\Delta = \frac{\square - \infty\odot - \phi}{-\infty}$

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#3)  $\$(\Delta + \square) = \odot(\$ - \infty)$ , for  $\$$   
 $\$\Delta + \$\square = \odot\$ - \odot\infty$  Dist.  
 $-\odot\$ - \odot\$$   
 $\$\Delta + \$\square - \odot\$ = -\odot\infty$  Adj. & Adj.  
 $\$(\Delta + \square - \odot) = -\odot\infty$  Dist. & Adj.  
 $\$ = \frac{-\odot\infty}{(\Delta + \square - \odot)}$  M.J.

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$F^\circ = \frac{9}{5} C^\circ$ , for  $C^\circ$   
 $\frac{E}{C^2} = \frac{mc^2}{C^2}$  for  $m$   
 $\frac{E}{C^2} = m$

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#4)  $\square + \infty(\Delta - \phi) = \phi(\Delta + \odot) + \$$ , for  $\Delta$   
 $\square + \infty\Delta - \infty\phi = \phi\Delta + \phi\odot + \$$   
 $-\square - \phi\Delta + \infty\phi - \phi\Delta$   
 $\infty\Delta - \phi\Delta = \phi\odot + \$ - \square + \infty\phi$   
 $\Delta(\infty - \phi) = \phi\odot + \$ - \square + \infty\phi$   
 $\Delta = \frac{\phi\odot + \$ - \square + \infty\phi}{(\infty - \phi)}$

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