

September 18, 2017  
 \* Quiz #3 - Wednesday  
 • Algebraic Tools  
 • Symbol Equations

Sep 18-8:55 AM

COR E 1.2  
Order of Operations  
 ① Clear any Grouping symbol.  
 $( ), [ ], \{ \}, \frac{a}{b}, |a|, \sqrt{a}$   
 $\frac{[-3]}{2} \quad \frac{6}{3} = 2 \quad |-9-4| \quad \sqrt{36} = 6$   
 ② Evaluate Exponents<sup>13</sup>  
 $a^n = \underbrace{a \cdot a \cdot a \cdot \dots \cdot a}_{n \text{ factors of } a}$   
 $3^3 = 3 \cdot 3 \cdot 3 = 27$

Sep 18-9:03 AM

③  $\times$  or  $\div$  from Left to Right  
 which ever comes first.  
 $(12 \div 4) \cdot 3 \quad | \quad 12 \div 12$   
 $3 \cdot 3 \quad | \quad 1$   
 $9$   
 ④  $+$  or  $-$  from L to R  
 which ever comes first.

Sep 18-9:14 AM

$3y + 3 = 9$   
 $-3 \quad -3$   
 $\frac{3y}{3} = \frac{6}{3} \quad \text{A. J.}$   
 $y = 2 \quad \text{M. J.}$

Sep 18-9:18 AM

$-3 - 4 \cdot 8$   
 $-3 - 32 = -3 + (-32)$   
 $= -35$

Sep 18-9:21 AM

$6 - 9(6 - 4(9 - 7))$   
 $6 - 9(6 - 4(2))$   
 $6 - 9(6 - 8)$   
 $6 - 9(-2)$   
 $6 + 18$   
 $24$   
 \* Show All Steps!

Sep 18-9:26 AM

$$\begin{array}{rcl}
 (12 - 3^3) - 12 \cdot 5 & ? & - (100 \div 5^2) - 72 + 4^2 \\
 (12 - 27) - 12 \cdot 5 & & - (100 \div 25) - 72 + 36 \\
 (-15) - 12 \cdot 5 & & - (4) - 72 + 36 \\
 -15 - 60 & & -76 + 36 \\
 -75 & < & -40
 \end{array}$$

Sep 18-9:30 AM

Do core 1.2

Sep 18-9:45 AM