

1-4 Order of Operation

TXBK - Pg 37

P Parenthesis
E exponents
L \xrightarrow{MD} R multiply OR divide (left to right)
L \xrightarrow{AS} R Add OR subtract (left to right)

Example

$$\textcircled{1} \quad \begin{array}{r} 4 + 3 \cdot 5 \\ \hline 4 + 15 \\ \hline 19 \end{array}$$

$$\textcircled{2} \quad \begin{array}{r} 10 - 2 + 8 \\ \hline 8 + 8 \\ \hline 16 \end{array}$$

$$\textcircled{3} \quad \begin{array}{r} 10 + 2 \cdot 15 \\ \hline 10 + 30 \\ \hline 40 \end{array}$$

$$\textcircled{4} \quad \begin{array}{r} 16 \div 2 + 4 \\ \hline 8 + 4 \\ \hline 12 \end{array}$$

$$\textcircled{5} \quad \begin{array}{r} 3 \cdot 6^2 + 4 \\ \hline 3 \cdot 36 + 4 \\ \hline 108 + 4 \\ \hline 112 \end{array}$$

$$\textcircled{6} \quad \begin{array}{r} 2 \times (15 + 5) - 16 \\ \hline 2 \times 20 - 16 \\ \hline 40 - 16 \\ \hline 24 \end{array}$$

$$\textcircled{7} \quad \begin{array}{r} 3 + 4(6 - 1) \\ \hline 3 + 4 \cdot 5 \\ \hline 3 + 20 \\ \hline 23 \end{array}$$