

ALL PROBLEMS CAN BE COMPLETED ON THIS WORKSHEET

## WS 4.3 - Even More Order of Operations

$$\begin{aligned}
 \textcircled{1} & \frac{-14}{7} \cdot \frac{6}{2} \cdot (-5) \\
 & = -2 \cdot \frac{6}{2} \cdot (-5) \\
 & = \underline{-2 \cdot 3} \cdot (-5) \\
 & = -6 \cdot (-5) \\
 & = \textcircled{30}
 \end{aligned}$$

$$\begin{aligned}
 \textcircled{2} & 6 + 4^2 \cdot \underline{(10 - 13)} \\
 & = 6 + \underline{4^2} \cdot (-3) \\
 & = 6 + \underline{16} \cdot (-3) \\
 & = 6 + (-48) \\
 & = \textcircled{-42}
 \end{aligned}$$

1 2 3 4  
**PEMDAS**

$$\begin{aligned}
 \textcircled{3} & \frac{-18}{-2} - 4 \\
 & = 9 - 4 \\
 & = \textcircled{5}
 \end{aligned}$$

$$\begin{aligned}
 \textcircled{4} & \left( \frac{50}{5} \right)^2 - 25 \cdot 3 \\
 & = \underline{(10)^2} - 25 \cdot 3 \\
 & = 100 - \underline{25 \cdot 3} \\
 & = 100 - 75 \\
 & = \textcircled{25}
 \end{aligned}$$

$$\begin{aligned}
 & \textcircled{5} \frac{3 \cdot 5^2 - 15 \cdot 2}{-9} \\
 &= \frac{3 \cdot 25 - 15 \cdot 2}{-9} \\
 &= \frac{75 - 30}{-9} \\
 &= \frac{45}{-9} \\
 &= \textcircled{-5}
 \end{aligned}$$

$$\begin{aligned}
 & \textcircled{6} 2 \cdot 4 + [-3 \cdot (2 - 6)] \\
 &= 2 \cdot 4 + [-3 \cdot (-4)] \\
 &= 2 \cdot 4 + 12 \\
 &= 8 + 12 \\
 &= \textcircled{20}
 \end{aligned}$$

$$\begin{aligned}
 & \textcircled{7} (5 - 2)^2 \cdot 2 \div \left(\frac{6^2}{-2}\right) \\
 &= (3)^2 \cdot 2 \div \left(\frac{6^2}{-2}\right) \\
 &= (3)^2 \cdot 2 \div \left(\frac{36}{-2}\right) \\
 &= \underline{3^2} \cdot 2 \div (-18) \\
 &= \underline{9} \cdot 2 \div (-18) \\
 &= 18 \div (-18) \\
 &= \textcircled{-1}
 \end{aligned}$$

$$\begin{aligned}
 & \textcircled{8} (\underline{4-7}) \cdot (\underline{4+2}) \div (\underline{2-1+8}) \\
 &= (-3) \cdot (6) \div (\underline{-1+8}) \\
 &= \underline{(-3) \cdot (6)} \div (7) \\
 &= -18 \div 7 \\
 &= \textcircled{\frac{-18}{7} \text{ or } \approx -2.57}
 \end{aligned}$$