

Evaluate Expressions with Two Variables

$$W=5 \quad Y=24 \quad Z=9$$

$$\begin{array}{r} 8W+4Z \\ 8 \cdot 5+4 \cdot 9 \\ 40+4 \cdot 9 \\ \underline{40+36} \\ 76 \end{array}$$

Steps:

1. Change the variables into numbers

2. Use PEMDAS & solve

$$\textcircled{1} \frac{Y}{3} - W$$

$$\frac{24}{3} - 5$$

$$\underline{8} - 5$$

$$3$$

$$\textcircled{2} 10W+10(Y-16)$$

$$10 \cdot 5+10 \cdot (24-16)$$

$$\underline{10 \cdot 5+10 \cdot 8}$$

$$50+10 \cdot 8$$

$$\underline{50+80}$$

$$130$$