

# HW Equations of Distributive Property

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$$1.) -8(y-9) = 40$$

$$\begin{array}{r} -8y + 72 = 40 \\ -72 \quad -72 \\ \hline -8y = -32 \\ -8 \quad -8 \\ \hline y = 4 \end{array} \quad \left. \begin{array}{l} DS \\ \end{array} \right\}$$

$$\begin{array}{r} 72 \\ -40 \\ \hline 32 \end{array}$$

$y = 4$

$$5.) 2(w+6.3) = 8.2$$

$$\begin{array}{r} 2w + 12.6 = 8.2 \\ -12.6 \quad -12.6 \\ \hline 2w = 4.4 \\ 2 \quad 2 \\ \hline w = 2.2 \end{array} \quad \left. \begin{array}{l} DS \\ \end{array} \right\}$$

$w = 2.2$

$$2.) -2(6x-5) = 70$$

$$\begin{array}{r} -12x + 10 = 70 \\ -10 \quad -10 \\ \hline -12x = 60 \\ -12 \quad -12 \\ \hline x = -5 \end{array}$$

$x = -5$

$$2.) \begin{array}{r} 2.2 \\ \times 2 \\ \hline 4.4 \end{array}$$

$$3.) 24 = -4(m+3)$$

$$\begin{array}{r} 24 = -4m - 12 \\ +12 \quad +12 \\ \hline 36 = -4m \\ -4 \quad -4 \\ \hline m = -9 \end{array}$$

$m = -9$

$$4.) 5(3x+6) = -45$$

$$\begin{array}{r} 15x + 30 = -45 \\ -30 \quad -30 \\ \hline 15x = -75 \\ 15 \quad 15 \\ \hline x = -5 \end{array} \quad \left. \begin{array}{l} SA \\ \end{array} \right\}$$

$x = -5$

$$4.) 3(2x+1) = -27$$

$$\begin{array}{r} 6x + 3 = -27 \\ -3 \quad -3 \\ \hline 6x = -30 \\ 6 \quad 6 \\ \hline x = -5 \end{array} \quad \left. \begin{array}{l} SA \\ \end{array} \right\}$$

$x = -5$

**Try your best!  
Refer to class  
notes and  
examples.**