

# Practice

$$\textcircled{1} \begin{array}{r} 5n - 10 = -30 \\ \cancel{+10} \quad \quad \quad \cancel{+10} \\ \hline 5n = -20 \\ \frac{5n}{5} = \frac{-20}{5} \\ \boxed{n = -4} \end{array}$$

$$\textcircled{2} \begin{array}{r} 5(n-2) = -30 \\ \phantom{5(n-2)} = -30 \\ 5n - 10 = -30 \end{array}$$

\* If you have the distributive property, You MUST do that first.

Feb 6-11:30 AM

$$\begin{array}{r} \cancel{5(n-2)} = \frac{-30}{5} \\ \hline n-2 = -6 \\ \phantom{n-2} +2 \quad \quad \phantom{n-2} +2 \\ \hline \boxed{n = -4} \end{array} \quad \rightarrow \quad n = -4$$

Feb 5-10:24 AM

③  $49 = -7(6+W)$

$$\begin{array}{r} 49 = -42 - 7W \\ +42 \quad +42 \\ \hline 91 = -7W \\ \frac{91}{-7} = \frac{-7W}{-7} \\ \boxed{-13 = W} \\ \boxed{W = -13} \end{array}$$

④  $4 + \frac{1}{5}b = -1$

$$\begin{array}{r} \cancel{4} + \frac{1}{5}b = -1 \\ \hline \frac{1}{5}b = -5 \\ \frac{1}{5}b \cdot 5 = -5 \cdot 5 \\ \boxed{b = -25} \end{array}$$

$-5 \div \frac{1}{5}$   
 $-5 \cdot 5$

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⑤  $\frac{x}{4} - 3 = -2$

$$\begin{array}{r} \frac{x}{4} - 3 = -2 \\ +3 \quad +3 \\ \hline 4 \cdot \frac{x}{4} = 1 \cdot 4 \\ \boxed{x = 4} \end{array}$$

⑥  $-2 + \frac{2}{3}w = 10$

$$\begin{array}{r} -2 + \frac{2}{3}w = 10 \\ +2 \quad +2 \\ \hline \frac{2}{3}w = 12 \\ \frac{2}{3}w \cdot \frac{3}{2} = \frac{12}{2} \cdot \frac{3}{2} \\ \boxed{w = 18} \end{array}$$

⑦  $-2(x-4) = -4$

$$\begin{array}{r} -2(x-4) = -4 \\ -2x + 8 = -4 \\ \hline -2x = -12 \\ \frac{-2x}{-2} = \frac{-12}{-2} \\ \boxed{x = 6} \end{array}$$

Feb 6-11:43 AM