

P157 3-4/odds

$$\textcircled{\#3} \quad 8t + 5 = 6t + 1$$

$$\begin{array}{r} 8t + 5 = 6t + 1 \\ -6t \quad -6t \\ \hline 2t + 5 = 1 \\ -5 \quad -5 \\ \hline 2t = -4 \end{array}$$

$$\begin{array}{r} 2t = -4 \\ \hline t = -2 \end{array}$$

$$\textcircled{\#11} \quad 3(d+12) = 8-4d$$

$$\begin{array}{r} 3d + 36 = 8 - 4d \\ +4d \quad +4d \\ \hline 7d + 36 = 8 \end{array}$$

$$\begin{array}{r} 7d + 36 = 8 \\ -36 \quad -36 \\ \hline 7d = -28 \end{array}$$

$$\begin{array}{r} 7d = -28 \\ \hline d = -4 \end{array}$$

$$\textcircled{\#18} \quad \begin{array}{r} w + 3 = w + 6 \\ -w \quad -w \\ \hline 3 = 6 \end{array}$$

No Solution

$$\textcircled{\#26} \quad 2(3g+2) = \frac{1}{2}(12g+8)$$

$$\begin{array}{r} 6g + 4 = 6g + 4 \\ -6g \quad -6g \\ \hline 4 = 4 \end{array}$$

True \rightarrow Identity

P165 9-4/odds

$\textcircled{\#7}$

$$\frac{2}{5} = \frac{x}{3}$$

cross multiply

$$5x = 2 \cdot 3$$

$$5x = 6$$

$$\frac{5x}{5} = \frac{6}{5}$$

$$\textcircled{\#18} \quad \frac{49}{98} = \frac{9}{112}$$

cross multiply

$$98s = 49 \cdot 112$$

$$\frac{98s}{98} = \frac{49 \cdot 112}{98}$$

$$s = \frac{112}{2}$$

$$\textcircled{s = 56}$$

$$\textcircled{\#23} \quad \frac{3}{8} = \frac{x}{32}$$

$$8x = 3 \cdot 32$$

$$\frac{8x}{8} = \frac{3 \cdot 32}{8}$$

$$\textcircled{x = 12}$$

$\textcircled{\#28}$

$$\frac{4}{12} = \frac{n}{3}$$

$$12n = 4 \cdot 3$$

$$12n = 12$$

$$n = 1$$