

8-14-19 1<sup>st</sup> Trij

$$\textcircled{1} \quad 2(3n+1) = 2n-6-4$$

$$\begin{array}{r} 6n+2 = 2n-10 \\ -2n \quad \quad \quad -2n \\ \hline \end{array} \quad \text{B.S.}$$

$$\begin{array}{r} 4n+2 = -10 \\ -2 \quad \quad \quad -2 \\ \hline \end{array}$$

$$\begin{array}{r} 4n = -12 \\ \frac{4n}{4} = \frac{-12}{4} \\ n = -3 \end{array}$$

$$\textcircled{2} \quad 6n-(3n-1) = n+6-8$$

$$6n-3n+1 = n-2$$

$$\begin{array}{r} 3n+1 = n-2 \\ -n \quad \quad \quad -n \\ \hline \end{array}$$

$$\begin{array}{r} 2n+1 = -2 \\ -1 \quad \quad \quad -1 \\ \hline \end{array}$$

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$1\frac{1}{2}$

$$\begin{array}{r} 2n = -3 \\ \frac{2n}{2} = \frac{-3}{2} \end{array}$$

$$n = -1\frac{1}{2}$$

$$\textcircled{3} \quad 5(2n-1) - (3n-2) = 2(2n-1)$$

$$10n - 5 - 3n + 2 = 4n - 2$$

$$\begin{array}{r} 7n - 3 = 4n - 2 \\ -4n \qquad \qquad -4n \\ \hline \end{array}$$

$$\begin{array}{r} 3n - 3 = -2 \\ +3 \qquad \qquad +3 \\ \hline \end{array}$$

$$\begin{array}{r} 3n = 1 \\ \frac{3n}{3} = \frac{1}{3} \\ n = \frac{1}{3} \end{array}$$

8-14-19 3<sup>rd</sup> Trig

$$\textcircled{1} \quad 4(2n-1) - 6 = 3(n-1)$$

$$8n - 4 - 6 = 3n - 3$$

$$\begin{array}{r} 8n - 10 = 3n - 3 \\ -3n \quad \quad -3n \\ \hline \end{array}$$

$$\begin{array}{r} 5n - 10 = -3 \quad \text{B.S.} \\ +10 \quad +10 \\ \hline \end{array}$$

$$\textcircled{|||||} \quad \frac{\$n}{\$} = \frac{7}{5}$$
$$n = 1\frac{2}{5}$$

$$\textcircled{2} \quad 7n - (2n - 5) = 2(n - 10)$$

$$7n - 2n + 5 = 2n - 20$$

$$\begin{array}{r} 5n + 5 = 2n - 20 \\ -2n \quad \quad -2n \\ \hline \end{array}$$

$$\begin{array}{r} 3n + 5 = -20 \\ -5 \quad -5 \\ \hline \end{array}$$

$$\frac{3n}{3} = \frac{-25}{3}$$

$$n = -8\frac{1}{3} \quad (-8.\bar{3})$$

$$\textcircled{3} \quad 2(3n-1) - (2n+6) = -40$$

$$\boxed{6n} - 2 \boxed{-2n} - 6 = -40$$

$$\begin{array}{r} 4n - 8 = -40 \\ +8 \quad +8 \\ \hline \end{array}$$

$$\frac{4n}{4} = \frac{-32}{4}$$

$$n = -8$$