

8-15-19 4th Trig

$$\textcircled{1} \quad 6(n-4) = 3(n-1) - 5$$

$$6n - 24 = 3n - 3 - 5$$

$$\begin{array}{r} 6n - 24 = 3n - 8 \\ -3n \quad \quad -3n \\ \hline \end{array} \quad \text{B.S.}$$

$$\begin{array}{r} 3n - 24 = -8 \\ +24 \quad +24 \\ \hline \end{array}$$

$$\frac{3n}{3} = \frac{16}{3}$$

$$n = 5\frac{1}{3}$$

$$\textcircled{2} \quad 5n - (2n - 4) = 2(n + 10)$$

$$5n - 2n + 4 = 2n + 20$$

$$\begin{array}{r} 3n + 4 = 2n + 20 \\ -2n \quad \quad -2n \\ \hline \end{array}$$

$$n + 4 = 20$$

$$\begin{array}{r} -4 \quad -4 \\ \hline \end{array}$$

$$n = 16$$

$$\textcircled{3} \quad -4n + 6 - 1 - 10 = 2n + 1$$

$$\begin{array}{r} \textcircled{-4n} - 5 = 2n + 1 \\ \textcircled{+4n} \qquad \qquad \qquad +4n \end{array}$$

$$\begin{array}{r} -5 = 6n + \textcircled{+1} \\ -1 \qquad \qquad \qquad -1 \end{array}$$

$$\frac{-6}{6} = \frac{6n}{6}$$

$$-1 = n$$