

8-16-19 2nd Geometry

$$\textcircled{1} \quad \begin{array}{r} 6n - 2 = 4n + 6 \\ -4n \quad +4n \end{array}$$

$$\begin{array}{r} 2n - 2 = 6 \\ +2 \quad +2 \end{array}$$

$$\frac{2n}{2} = \frac{8}{2}$$

$$n = 4$$

$$\textcircled{2} \quad \begin{array}{r} -2n + 6 = 3n - 14 \\ +2n \quad +2n \end{array} \quad \text{B.S.}$$

$$\begin{array}{r} 6 = 5n - 14 \\ +14 \quad +14 \end{array}$$

$$\frac{20}{5} = \frac{5n}{5}$$

$$4 = n$$

$$\textcircled{3} \quad 6n - 2 - 1 = 2n + 5$$

$$\begin{array}{r} 6n - 3 = 2n + 5 \\ -2n \quad -2n \end{array}$$

$$\begin{array}{r} 4n - 3 = 5 \\ +3 \quad +3 \end{array}$$

$$\frac{4n}{4} = \frac{8}{4}$$

$$n = 2$$

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

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

$$\begin{array}{r} 2n - 8 = -10 \\ +8 \quad \quad +8 \\ \hline \end{array}$$

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

$$n = -1$$

$$\textcircled{5} \quad 7n-1 + 2n = 3n+2n+11$$

$$\begin{array}{r} 9n - 1 = 5n + 11 \\ -5n \quad \quad -5n \\ \hline \end{array}$$

$$\begin{array}{r} 4n - 1 = 11 \\ +1 \quad \quad +1 \\ \hline \end{array}$$

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

$$n = 3$$

$$\textcircled{6} \quad 2(3n+1) = 2(2n-5)$$

$$\begin{array}{r} 6n + 2 = 4n - 10 \\ -4n \quad \quad -4n \\ \hline \end{array}$$

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

$$\frac{2n}{2} = \frac{-12}{2}$$

$$n = -6$$

$$\begin{array}{r} 16 \\ -7 \\ \hline \end{array}$$

$$\begin{array}{r} 82 \\ -10 \\ \hline \end{array}$$