

10-24-13
 Geo 1st

RQ 8

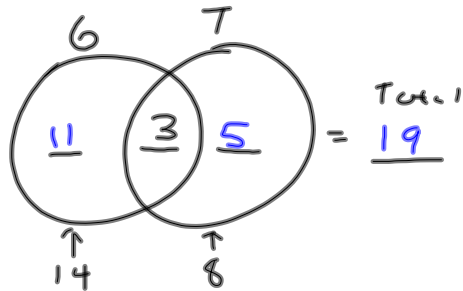


$$XC + CY = XY$$

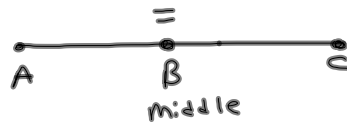
$$\begin{array}{r} \downarrow \quad \downarrow \quad \downarrow \\ CX + n+1 = 6n-4 \\ \hline \quad \quad \quad -n-1 \quad -n-1 \end{array}$$

$$CX = 5n-5$$

⑦



⑨



$$AB = BC$$

$$\begin{array}{r} 5n-4 = 3n+10 \\ \hline -3n \quad -3n \end{array}$$

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

$$2n = 14$$

$$n = 7$$

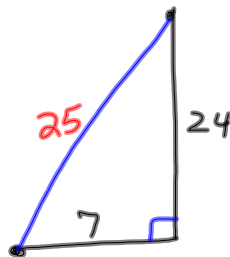
$$AB = 5n-4$$

$$5 \cdot 7 - 4$$

$$35 - 4$$

$$31$$

⑩



$$\begin{array}{l} 7^2 + 24^2 = c^2 \\ 49 + 576 = c^2 \\ \sqrt{625 = c^2} \\ c = 25 \end{array}$$