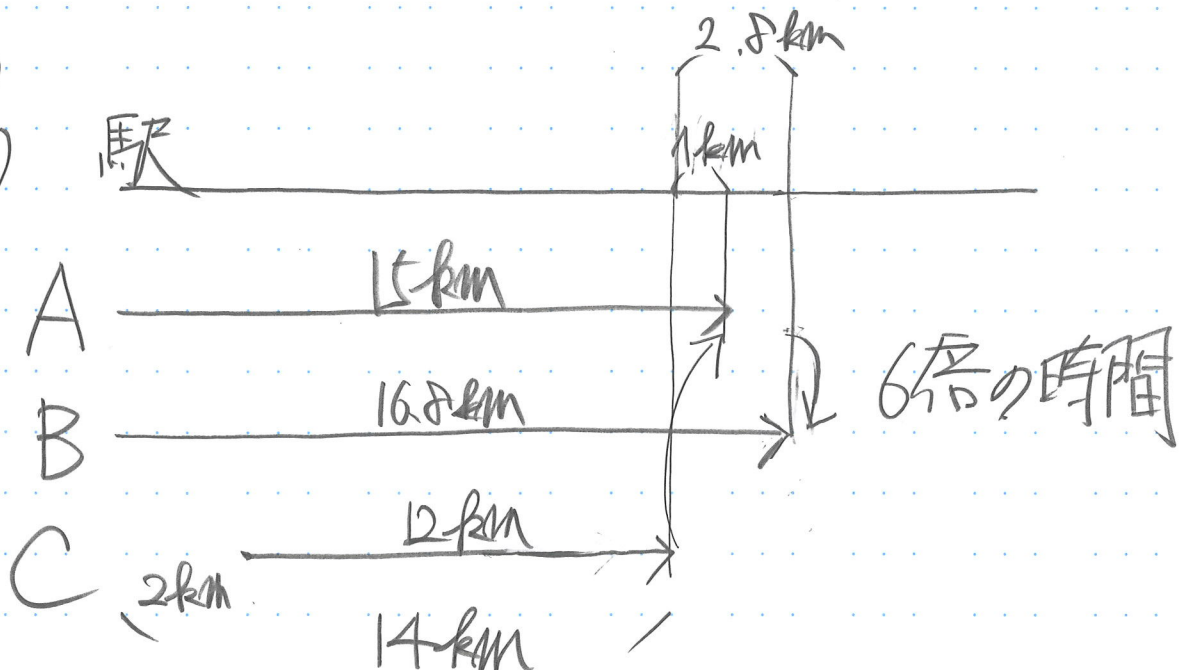


20

(2)



(1)から

$$\begin{array}{r}
 A : B : C \\
 5 : 7 : 5 \\
 \hline
 25 : 28 : 20
 \end{array}$$

A, B, Cの速さは 25 : 28 : 20

A, B, Cの初めの速さを $\textcircled{25}$, $\textcircled{28}$, $\textcircled{20}$ とおす。

午後2時のとき

$$\begin{array}{l}
 A \sim C : 1 \text{ km} \\
 B \sim C : 2.8 \text{ km}
 \end{array}$$

$$\begin{array}{l}
 C \text{が} A \text{に追いつく時間} : C \text{が} B \text{に追いつく時間} \\
 = 1 : (1+6) = 1 : 7
 \end{array}$$

$$\begin{array}{l}
 A \text{と} C \text{の速さの差} : B \text{と} C \text{の速さの差} = \frac{1}{1} : \frac{2.8}{7} \\
 = 1 : 0.4
 \end{array}$$

$$\text{この比の差 } 0.6 = \textcircled{28} - \textcircled{25} = \textcircled{3}$$

$$\text{よって午後2時以降の} C \text{の速さ} = \textcircled{25} + \textcircled{3} \times \frac{0.6}{0.4} = \textcircled{30}$$