

# 平行線と線分の比1

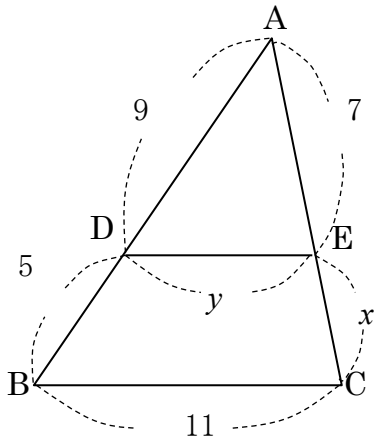
NO. 2

名前

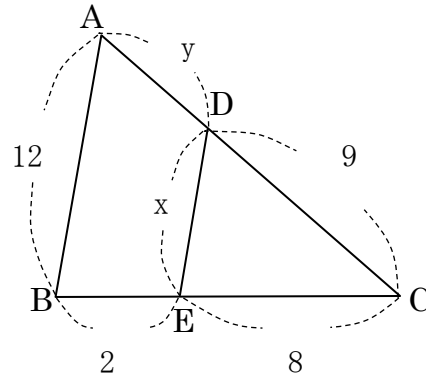
／8 点

◆ BC//DEのときxとyの値を求めなさい。

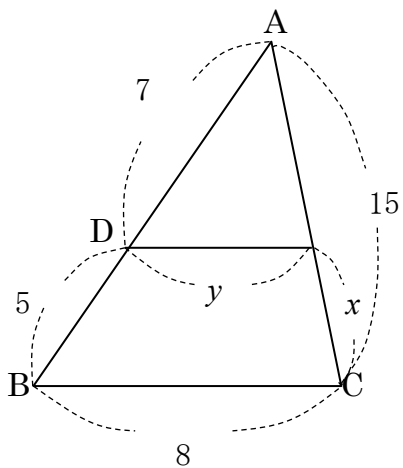
①



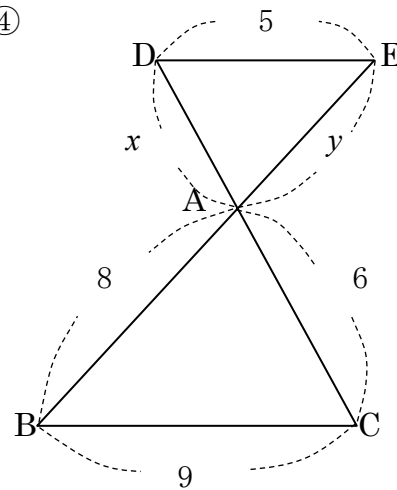
②



③



④



## 解答

$$\begin{aligned} \textcircled{1} \quad 9 & : 5 = 7 : x \\ x & = \frac{5 \times 7}{9} = \frac{35}{9} \end{aligned}$$

$$\begin{aligned} 9 & : 14 = y : 11 \\ y & = \frac{9 \times 11}{14} = \frac{99}{14} \end{aligned}$$

$$\begin{aligned} \textcircled{2} \quad 8 & : 10 = x : 12 \\ x & = \frac{8 \times 12}{10} = \frac{48}{5} \end{aligned}$$

$$\begin{aligned} 8 & : 2 = 9 : y \\ y & = \frac{2 \times 9}{8} = \frac{9}{4} \end{aligned}$$

$$\begin{aligned} \textcircled{3} \quad 12 & : 5 = 15 : x \\ x & = \frac{5 \times 15}{12} = \frac{25}{4} \end{aligned}$$

$$\begin{aligned} 7 & : 12 = y : 8 \\ y & = \frac{7 \times 8}{12} = \frac{14}{3} \end{aligned}$$

$$\begin{aligned} \textcircled{4} \quad 5 & : 9 = x : 6 \\ x & = \frac{5 \times 6}{9} = \frac{10}{3} \end{aligned}$$

$$\begin{aligned} 5 & : 9 = y : 8 \\ y & = \frac{5 \times 8}{9} = \frac{40}{9} \end{aligned}$$