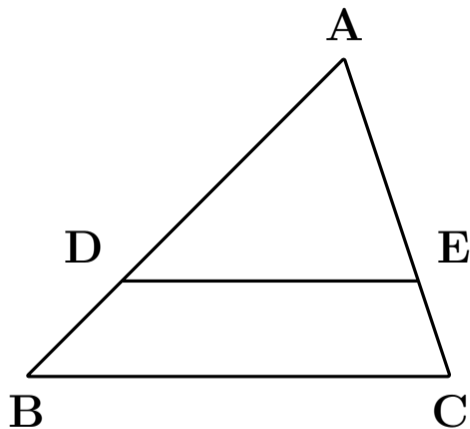


三角形と比（その1）

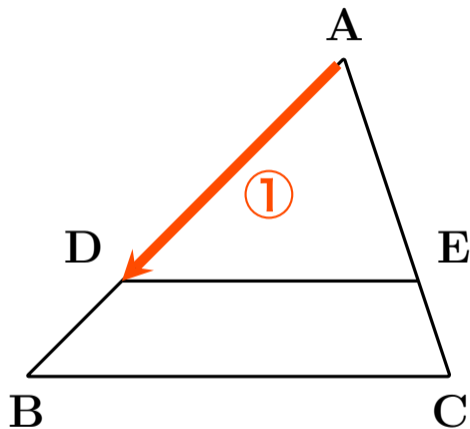


DE // BC ならば

$$\textcircled{1} : \textcircled{2} = \textcircled{3} : \textcircled{4}$$

($\textcircled{1} : \textcircled{3} = \textcircled{2} : \textcircled{4}$ でもよい)

三角形と比（その1）

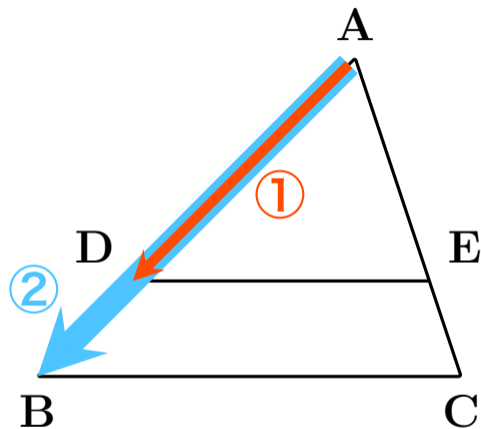


DE // BC ならば

$$\textcircled{1} : \textcircled{2} = \textcircled{3} : \textcircled{4}$$

($\textcircled{1} : \textcircled{3} = \textcircled{2} : \textcircled{4}$ でもよい)

三角形と比（その1）

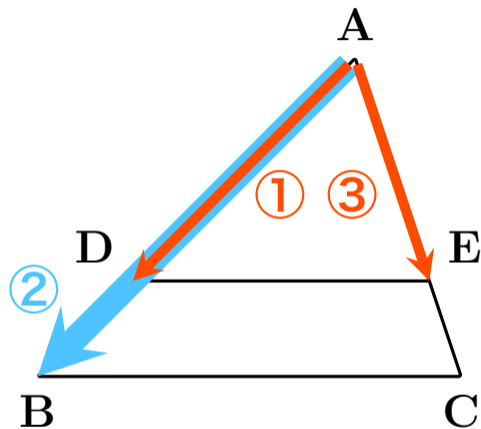


DE // BC ならば

$$\textcircled{1} : \textcircled{2} = \textcircled{3} : \textcircled{4}$$

($\textcircled{1} : \textcircled{3} = \textcircled{2} : \textcircled{4}$ でもよい)

三角形と比（その1）

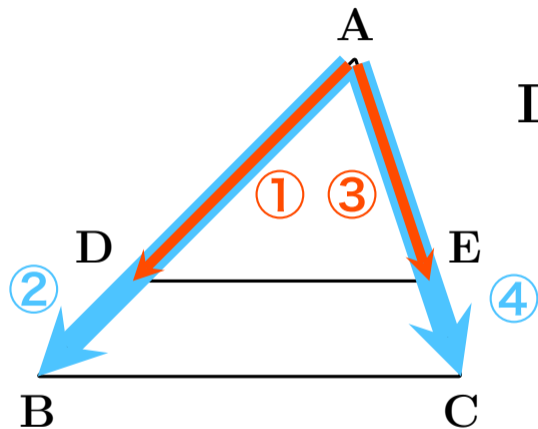


DE // BC ならば

$$\textcircled{1} : \textcircled{2} = \textcircled{3} : \textcircled{4}$$

($\textcircled{1} : \textcircled{3} = \textcircled{2} : \textcircled{4}$ でもよい)

三角形と比（その1）

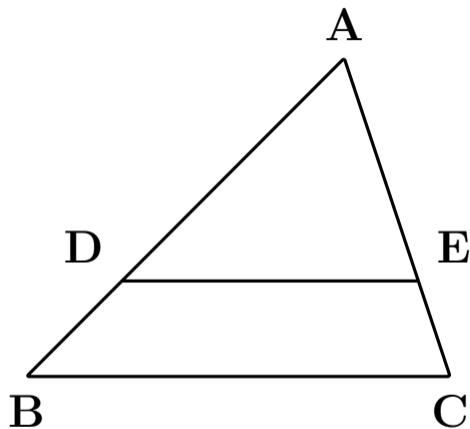


DE // BC ならば

$$\textcircled{1} : \textcircled{2} = \textcircled{3} : \textcircled{4}$$

($\textcircled{1} : \textcircled{3} = \textcircled{2} : \textcircled{4}$ でもよい)

三角形と比（その1）

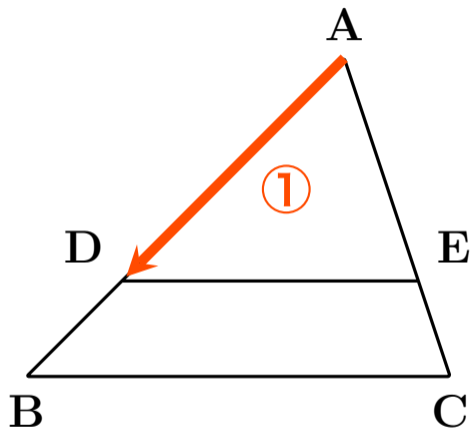


DE // BC ならば

$$\textcircled{1} : \textcircled{2} = \textcircled{3} : \textcircled{4}$$

($\textcircled{1} : \textcircled{3} = \textcircled{2} : \textcircled{4}$ でもよい)

三角形と比（その1）

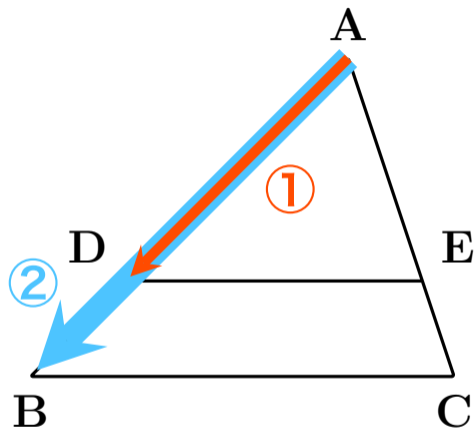


DE // BC ならば

$$\textcircled{1} : \textcircled{2} = \textcircled{3} : \textcircled{4}$$

($\textcircled{1} : \textcircled{3} = \textcircled{2} : \textcircled{4}$ でもよい)

三角形と比（その1）

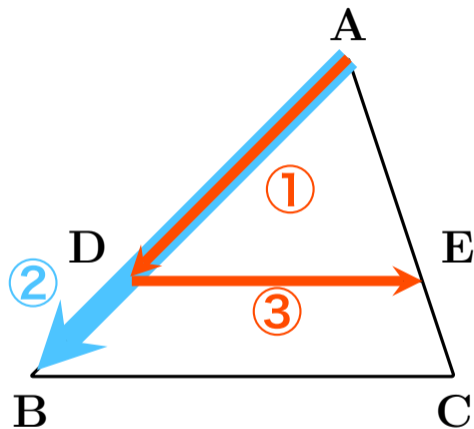


DE // BC ならば

$$\textcircled{1} : \textcircled{2} = \textcircled{3} : \textcircled{4}$$

($\textcircled{1} : \textcircled{3} = \textcircled{2} : \textcircled{4}$ でもよい)

三角形と比（その1）

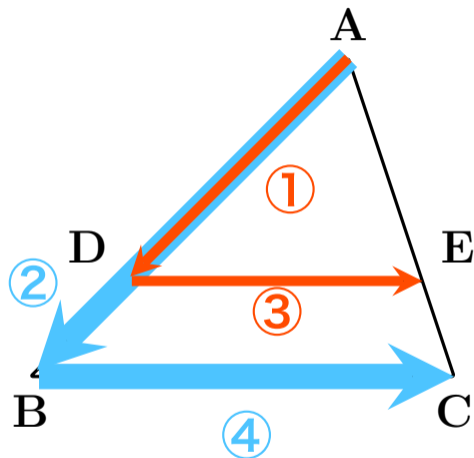


DE // BC ならば

$$\textcircled{1} : \textcircled{2} = \textcircled{3} : \textcircled{4}$$

($\textcircled{1} : \textcircled{3} = \textcircled{2} : \textcircled{4}$ でもよい)

三角形と比（その1）

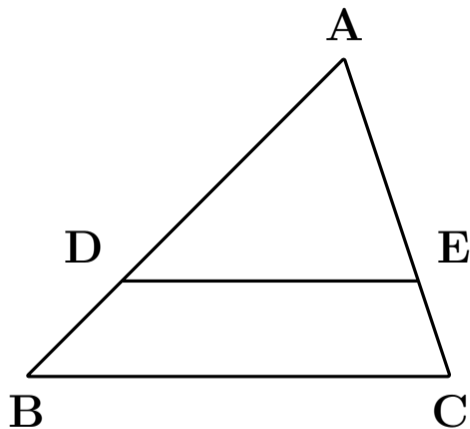


DE // BC ならば

$$\textcircled{1} : \textcircled{2} = \textcircled{3} : \textcircled{4}$$

($\textcircled{1} : \textcircled{3} = \textcircled{2} : \textcircled{4}$ でもよい)

三角形と比（その1）

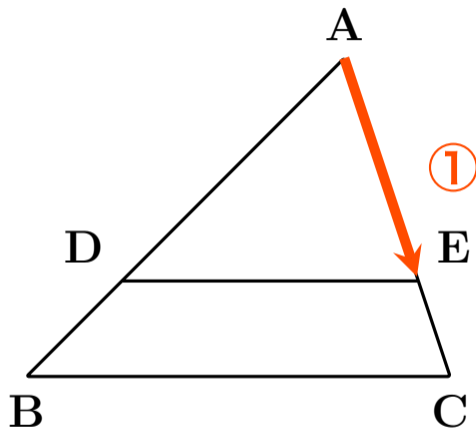


DE // BC ならば

$$\textcircled{1} : \textcircled{2} = \textcircled{3} : \textcircled{4}$$

($\textcircled{1} : \textcircled{3} = \textcircled{2} : \textcircled{4}$ でもよい)

三角形と比（その1）

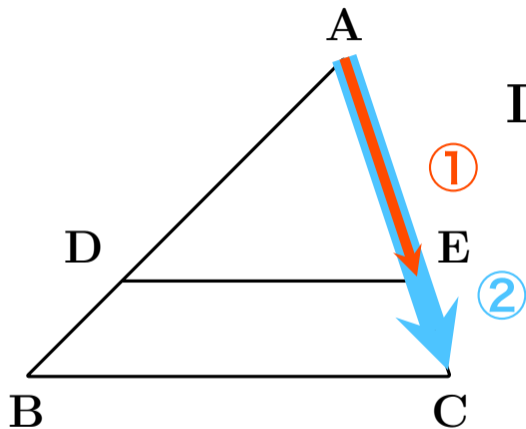


DE // BC ならば

$$\textcircled{1} : \textcircled{2} = \textcircled{3} : \textcircled{4}$$

($\textcircled{1} : \textcircled{3} = \textcircled{2} : \textcircled{4}$ でもよい)

三角形と比（その1）

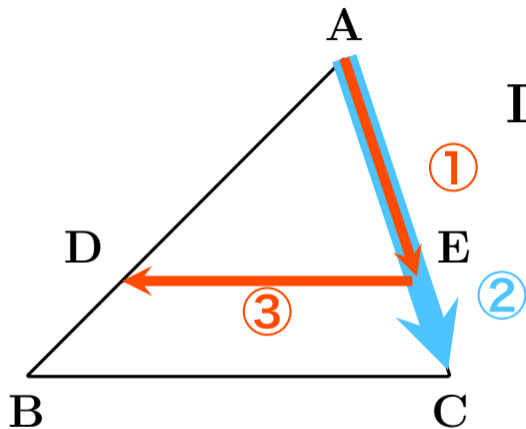


DE // BC ならば

$$\textcircled{1} : \textcircled{2} = \textcircled{3} : \textcircled{4}$$

($\textcircled{1} : \textcircled{3} = \textcircled{2} : \textcircled{4}$ でもよい)

三角形と比（その1）

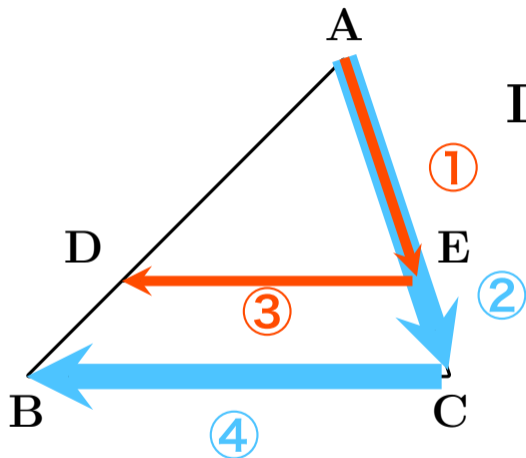


$DE \parallel BC$ ならば

$$\textcircled{1} : \textcircled{2} = \textcircled{3} : \textcircled{4}$$

($\textcircled{1} : \textcircled{3} = \textcircled{2} : \textcircled{4}$ でもよい)

三角形と比（その1）

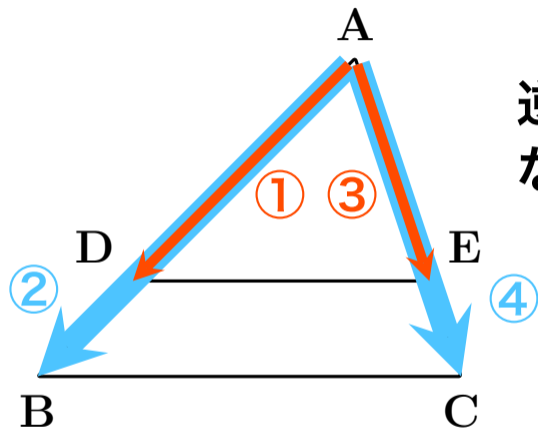


DE // BC ならば

$$\textcircled{1} : \textcircled{2} = \textcircled{3} : \textcircled{4}$$

($\textcircled{1} : \textcircled{3} = \textcircled{2} : \textcircled{4}$ でもよい)

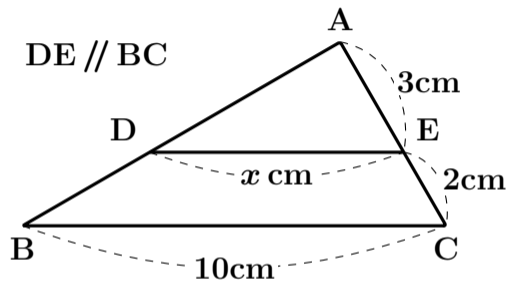
三角形と比（その1）



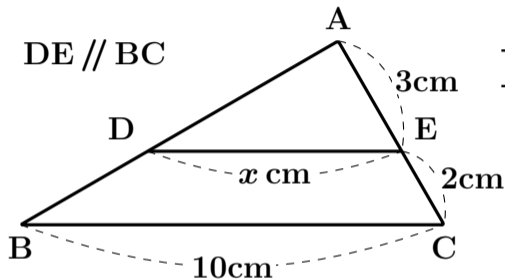
逆に ① : ② = ③ : ④
ならば

DE // BC が成り立つ

例題



例題



$DE \parallel BC$ なので

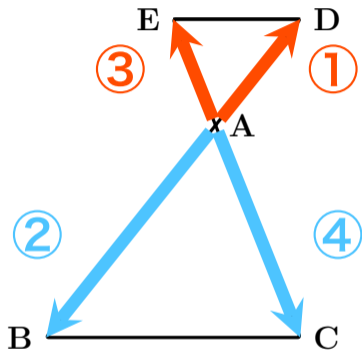
$$AE : AC = DE : BC$$

$$3 : 5 = x : 10$$

$$5x = 30$$

$$x = 6 \text{ cm} \quad \boxed{\text{答}}$$

三角形と比 (こんな図でも OK)



$DE \parallel BC$ ならば

$$\textcircled{1} : \textcircled{2} = \textcircled{3} : \textcircled{4}$$

($\textcircled{1} : \textcircled{3} = \textcircled{2} : \textcircled{4}$ でもよい)