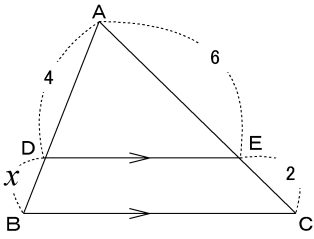


相似の利用

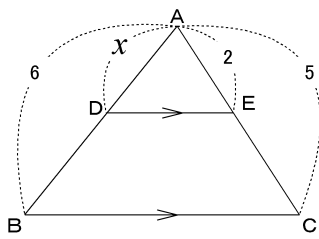
例題 DE//BCのとき、 x の値を求めよ。

(1)



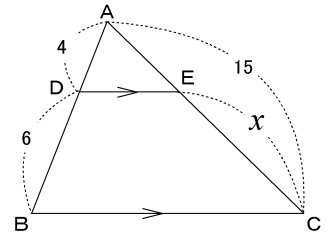
答

(2)



答

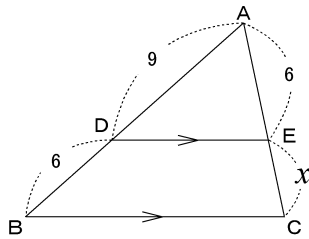
(3)



答

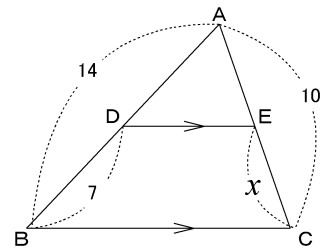
練習 DE//BCのとき、 x の値を求めよ。

(1)



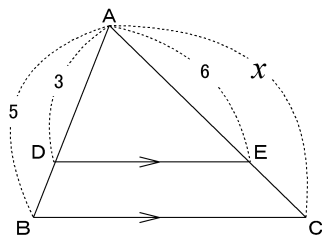
答

(3)



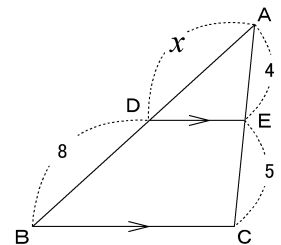
答

(2)



答

(4)

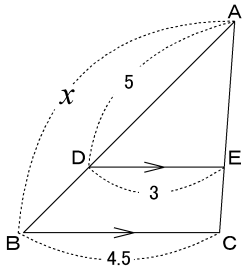


答

相似の利用

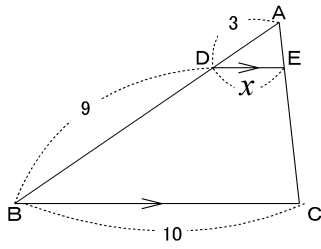
例題 DE//BCのとき、 x の値を求めよ。

(1)



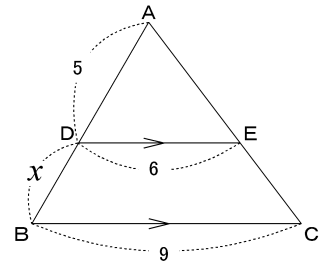
答

(2)



答

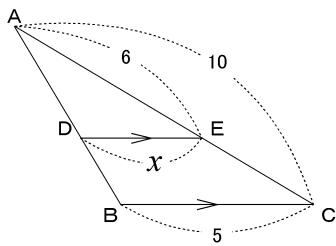
(3)



答

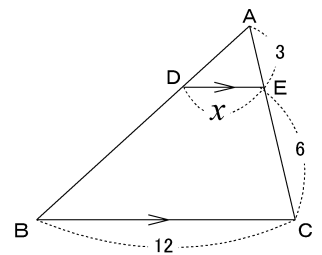
練習 DE//BCのとき、 x の値を求めよ。

(1)



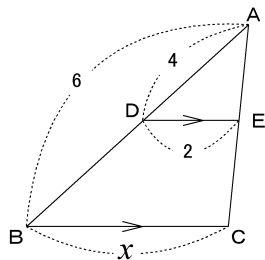
答

(3)



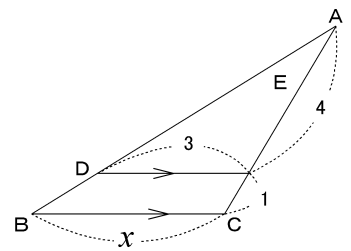
答

(2)



答

(4)

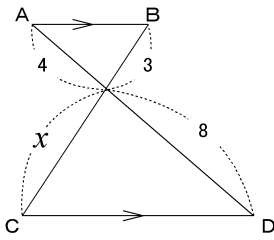


答

相似の利用

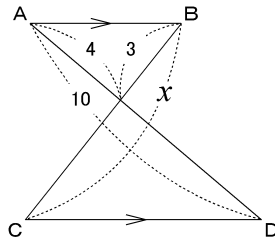
例題 $AB \parallel CD$ のとき、 x の値を求めよ。

(1)



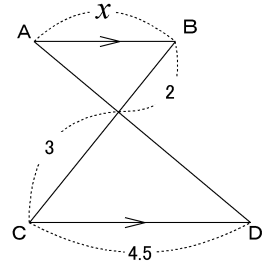
答

(2)



答

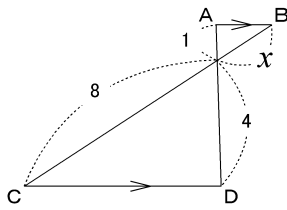
(3)



答

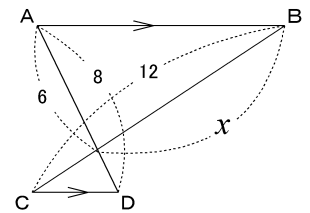
練習 $AB \parallel CD$ のとき、 x の値を求めよ。

(1)



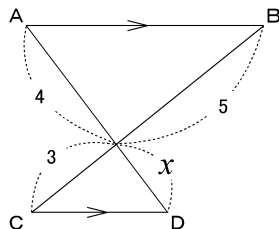
答

(3)



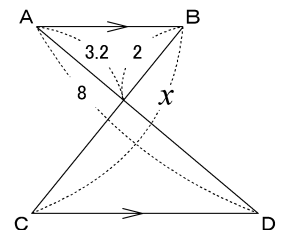
答

(2)



答

(4)

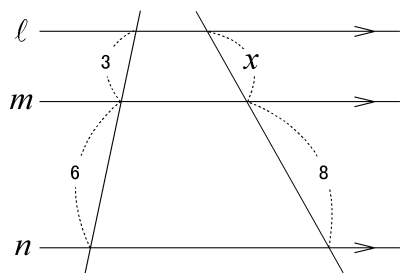


答

相似の利用

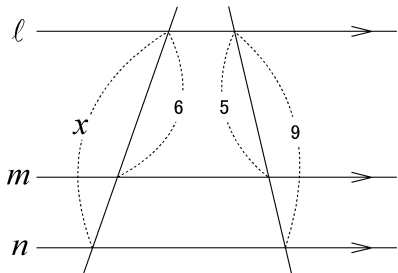
例題 $l // m // n // o$ のとき, x の値を求めよ。

(1)



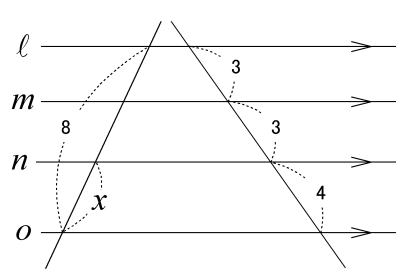
答

(2)



答

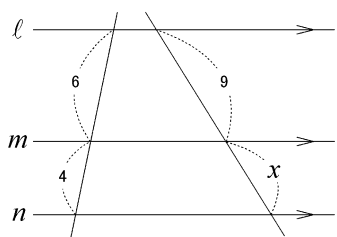
(3)



答

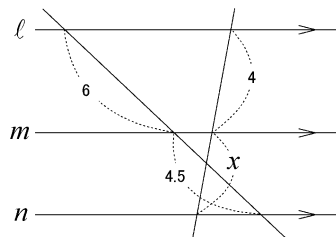
練習 $l // m // n // o$ のとき, x の値を求めよ。

(1)



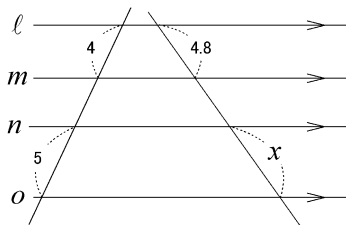
答

(3)



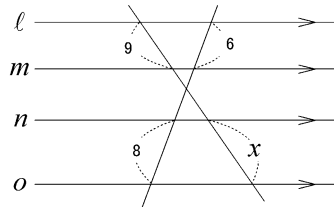
答

(2)



答

(4)

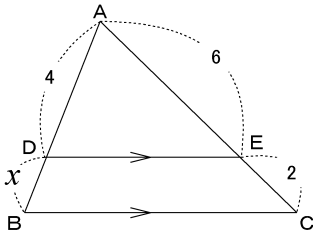


答

相似の利用

例題 DE//BCのとき、xの値を求めよ。

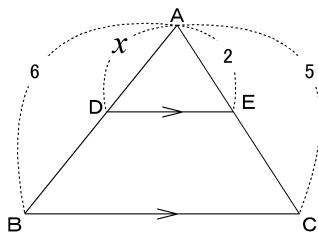
(1)



★
 $4 : x = 6 : 2$
 $4 : x = 3 : 1$
 $3x = 4$
 $x = \frac{4}{3}$

答 $x = \frac{4}{3}$

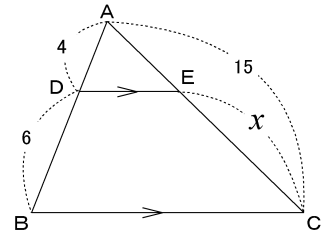
(2)



★
 $6 : x = 5 : 2$
 $5x = 12$
 $x = \frac{12}{5}$

答 $x = \frac{12}{5}$

(3)



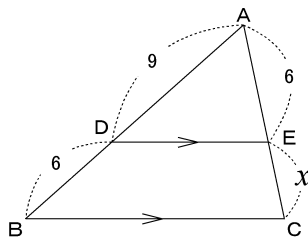
★
 $15 : x = (4+6) : 6$
 $15 : x = 5 : 3$
 $5x = 45$
 $x = 9$

答 $x = 9$

練習 DE//BCのとき、xの値を求めよ。

(1)

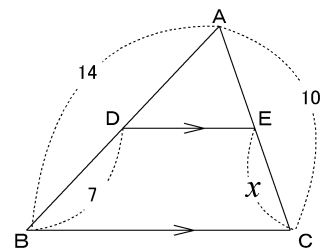
★
 $9 : 6 = 6 : x$
 $3 : 2 = 6 : x$
 $3x = 12$
 $x = 4$



答 $x = 4$

(3)

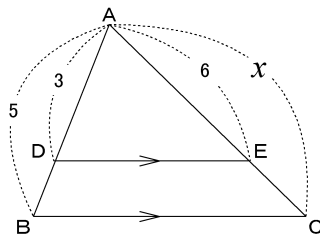
★
 $14 : 7 = 10 : x$
 $2 : 1 = 10 : x$
 $2x = 10$
 $x = 5$



答 $x = 5$

(2)

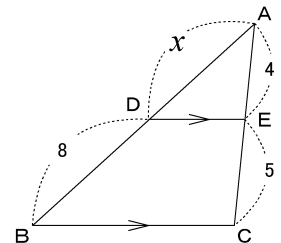
★
 $3 : 5 = 6 : x$
 $3x = 30$
 $x = 10$



答 $x = 10$

(4)

★
 $x : 8 = 4 : 5$
 $5x = 32$
 $x = \frac{32}{5}$

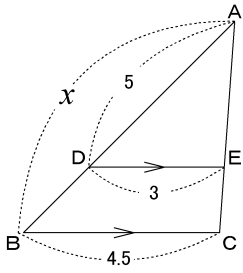


答 $x = \frac{32}{5}$

相似の利用

例題 DE//BCのとき、xの値を求めよ。

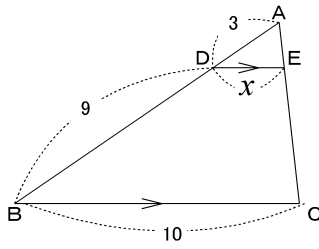
(1)



★
 $5 : x = 3 : 4.5$
 $5 : x = 2 : 3$
 $2x = 15$
 $x = \frac{15}{2}$

答 $x = \frac{15}{2}$

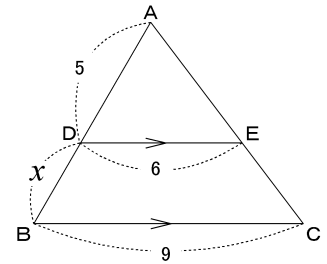
(2)



★
 $3 : 12 = x : 10$
 $1 : 4 = x : 10$
 $4x = 10$
 $x = \frac{10}{4} = \frac{5}{2}$

答 $x = \frac{5}{2}$

(3)



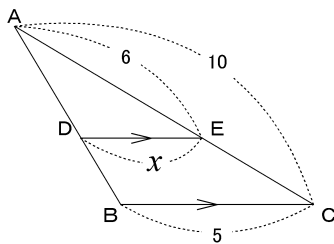
★
 $5 : (5+x) = 6 : 9$
 $5 : (5+x) = 2 : 3$
 $10 + 2x = 15$
 $2x = 5$
 $x = \frac{5}{2}$

答 $x = \frac{5}{2}$

練習 DE//BCのとき、xの値を求めよ。

(1)

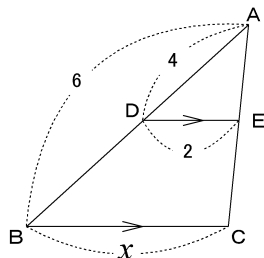
★
 $6 : 10 = x : 5$
 $3 : 5 = x : 5$
 $5x = 15$
 $x = 3$



答 $x = 3$

(2)

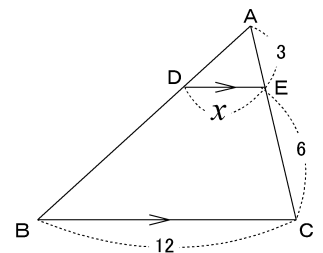
★
 $4 : 6 = 2 : x$
 $2 : 3 = 2 : x$
 $2x = 6$
 $x = 3$



答 $x = 3$

(3)

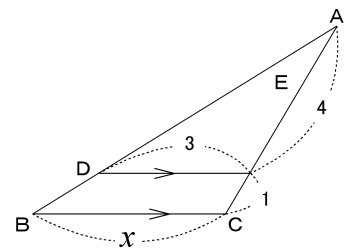
★
 $3 : (3+6) = x : 12$
 $1 : 3 = x : 12$
 $3x = 12$
 $x = 4$



答 $x = 4$

(4)

★
 $4 : (4+1) = 3 : x$
 $4 : 5 = 3 : x$
 $4x = 15$
 $x = \frac{15}{4}$

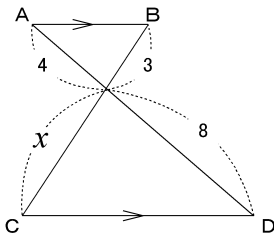


答 $x = \frac{15}{4}$

相似の利用

例題 AB//CDのとき、xの値を求めよ。

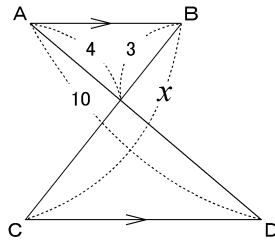
(1)



★
 $4:8=3:x$
 $1:2=3:x$
 $x=6$

答 $x=6$

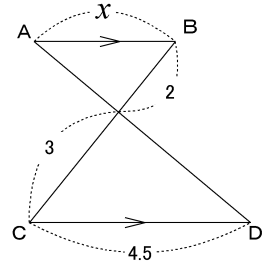
(2)



★
 $4:10=3:x$
 $2:5=3:x$
 $2x=15$
 $x=\frac{15}{2}$

答 $x=\frac{15}{2}$

(3)



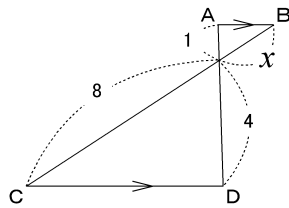
★
 $x:2=4.5:3$
 $x:2=3:2$
 $2x=6$
 $x=3$

答 $x=3$

練習 AB//CDのとき、xの値を求めよ。

(1)

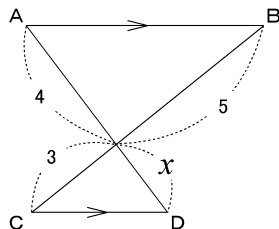
★
 $1:4=x:8$
 $4x=8$
 $x=2$



答 $x=2$

(2)

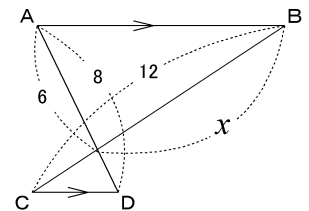
★
 $4:x=5:3$
 $5x=12$
 $x=\frac{12}{5}$



答 $x=\frac{12}{5}$

(3)

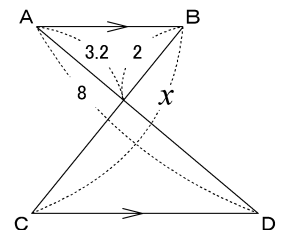
★
 $12:x=8:6$
 $12:x=4:3$
 $4x=36$
 $x=9$



答 $x=9$

(4)

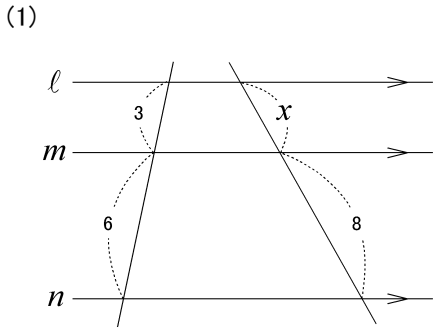
★
 $8:3.2=x:2$
 $5:2=x:2$
 $2x=10$
 $x=5$



答 $x=5$

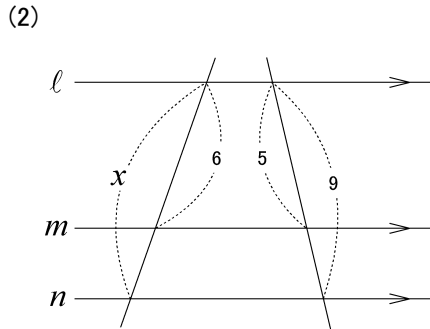
相似の利用

例題 $l // m // n // o$ のとき、 x の値を求めよ。



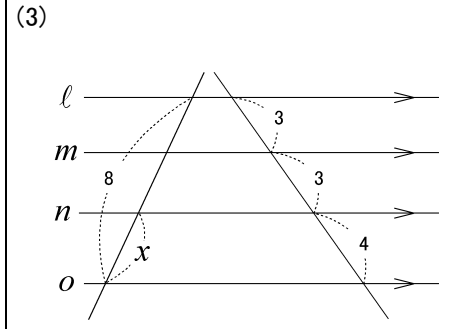
★
 $3:6 = x:8$
 $1:2 = x:8$
 $2x = 8$
 $x = 4$

答 $x = 4$



★
 $6:x = 5:9$
 $5x = 54$
 $x = \frac{54}{5}$

答 $x = \frac{54}{5}$

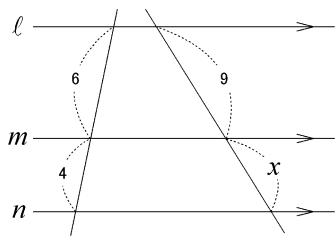


★
 $8:x = (3+3+4):4$
 $8:x = 10:4$
 $8:x = 5:2$
 $5x = 16$
 $x = \frac{16}{5}$

答 $x = \frac{16}{5}$

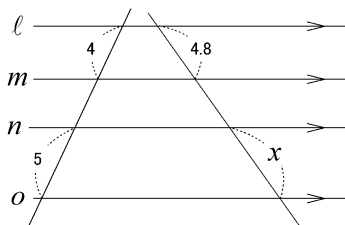
練習 $l // m // n // o$ のとき、 x の値を求めよ。

(1)
 ★
 $6:4 = 9:x$
 $3:2 = 9:x$
 $3x = 18$
 $x = 6$



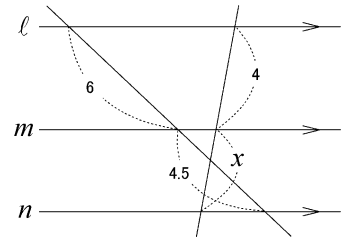
答 $x = 6$

(2)
 ★
 $4:5 = 4.8:x$
 $4:5 = 4.8:x$
 $4x = 24$
 $x = 6$



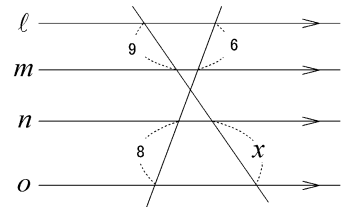
答 $x = 6$

(3)
 ★
 $6:4.5 = 4:x$
 $4:3 = 4:x$
 $4x = 12$
 $x = 3$



答 $x = 3$

(4)
 ★
 $9:x = 6:8$
 $9:x = 3:4$
 $3x = 36$
 $x = 12$



答 $x = 12$