

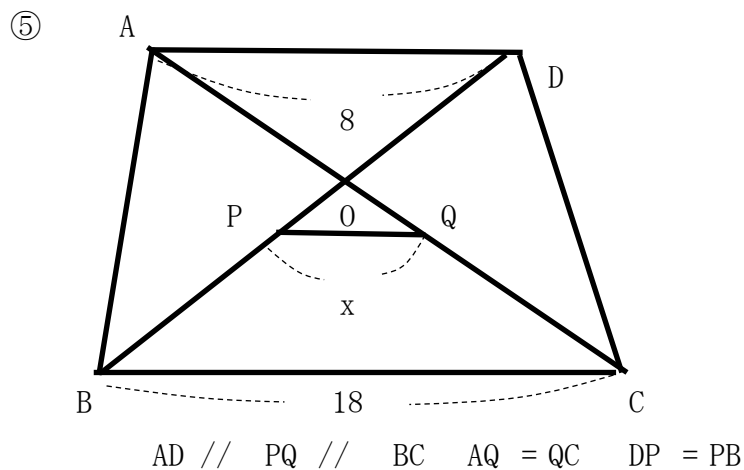
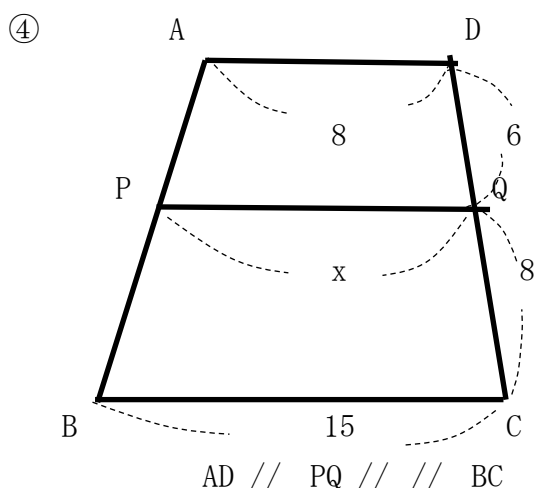
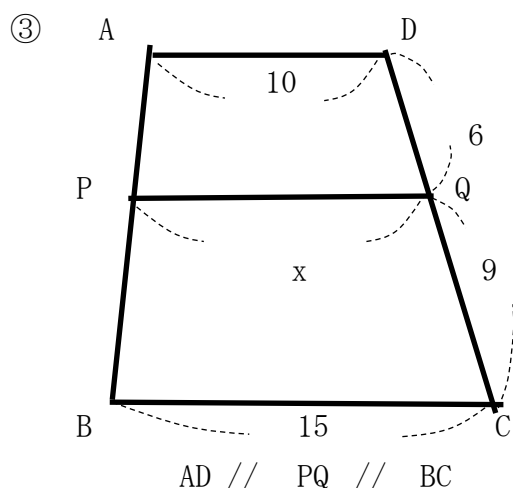
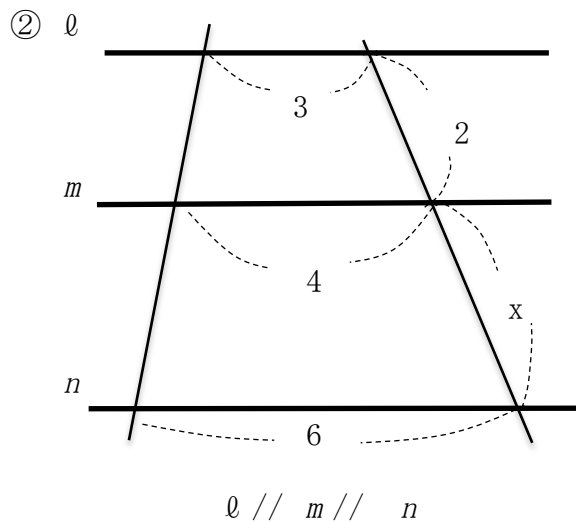
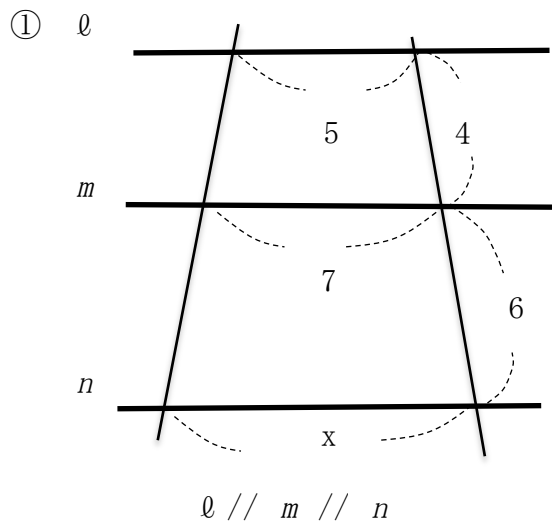
平行線と線分の比2

NO. 1

名前

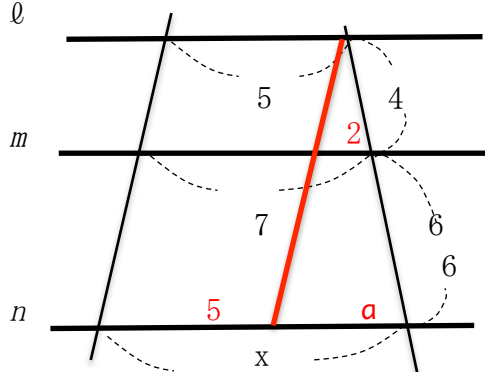
/ 5 点

◆ 下の図でxの値を求めなさい。



解答

① ℓ

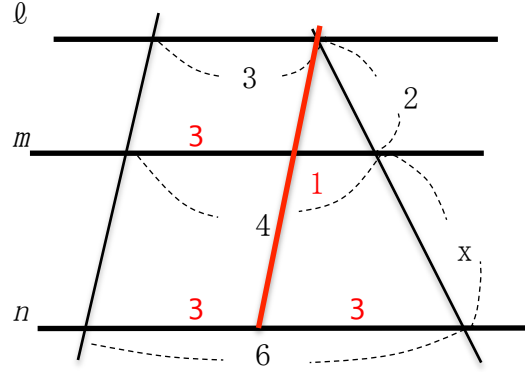


$$2 : a = 4 : 10$$

$$a = 5$$

$$x = 5 + 5 = 10$$

② ℓ

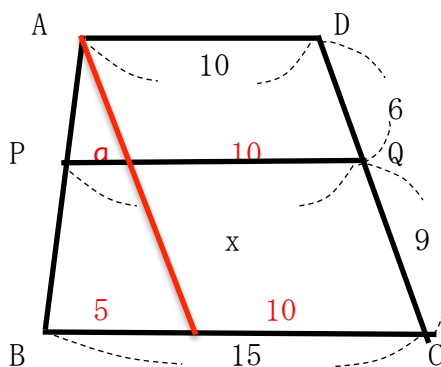


$$1 : 3 = 2 : (2 + x)$$

$$2 + x = 6$$

$$x = 4$$

③

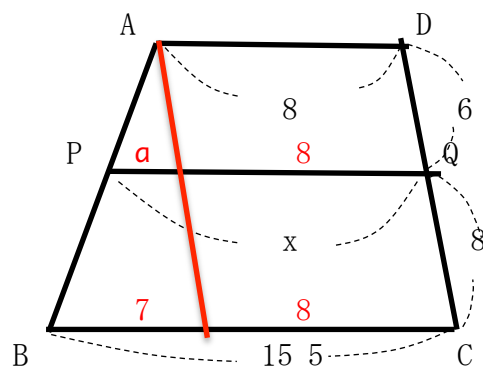


$$a : 5 = 6 : 15$$

$$a = 2$$

$$x = 2 + 10 = 12$$

④

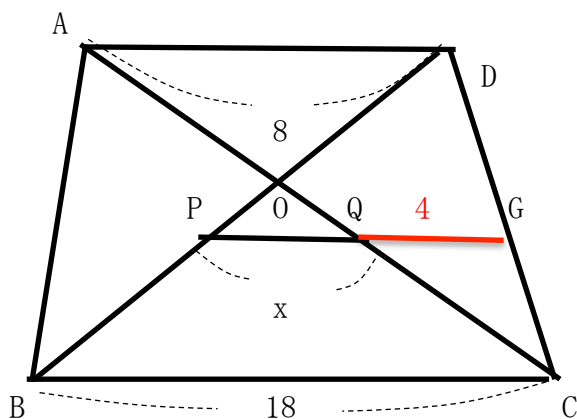


$$a : 7 = 6 : 14$$

$$a = 3$$

$$x = 3 + 8 = 11$$

⑤



$$QG : AD = 1 : 2$$

$$QG : 8 = 1 : 2$$

$$QG = 4$$

$$PG : BC = 1 : 2$$

$$PG : 18 = 1 : 2$$

$$PG = 9$$

$$PQ = 9 - 4 = \underline{5}$$