

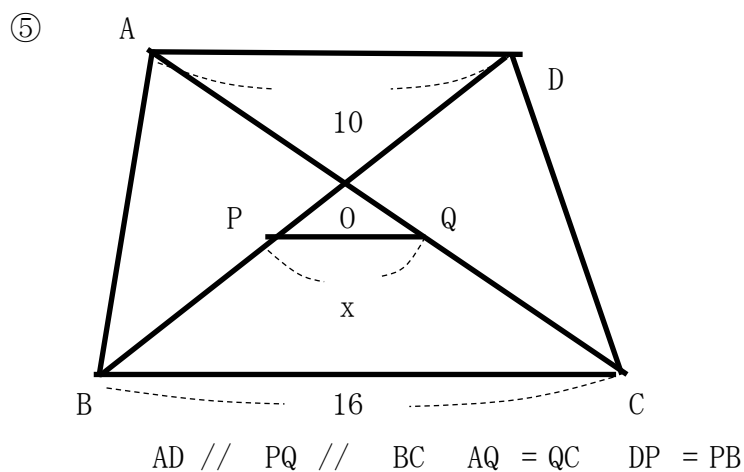
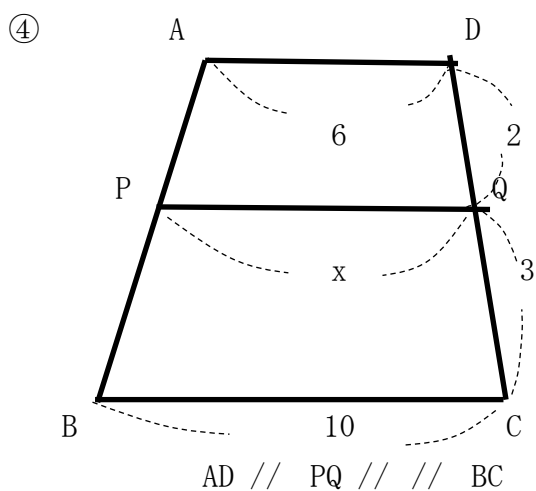
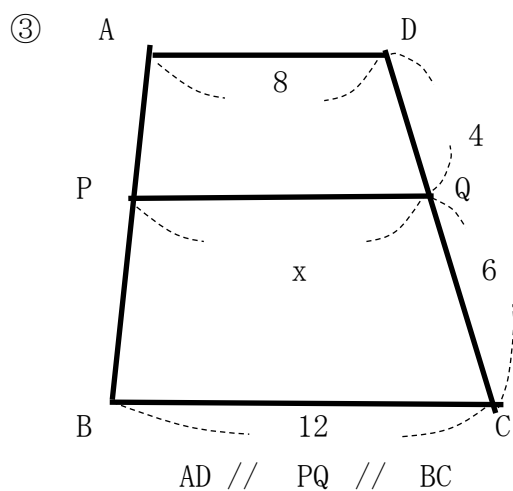
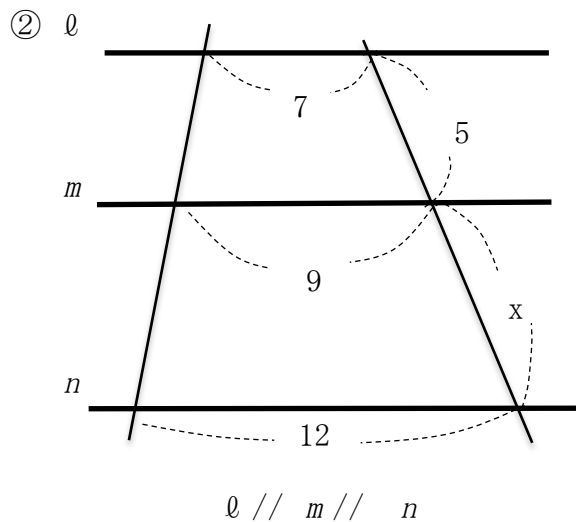
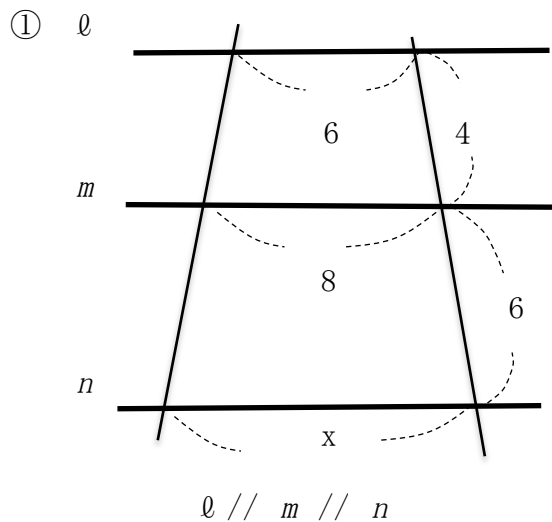
平行線と線分の比2

NO. 2

名前

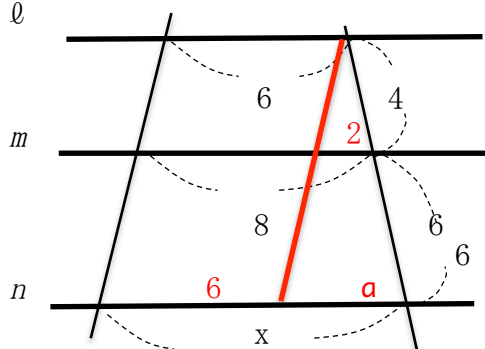
/ 5 点

◆ 下の図でxの値を求めなさい。



解答

① ℓ

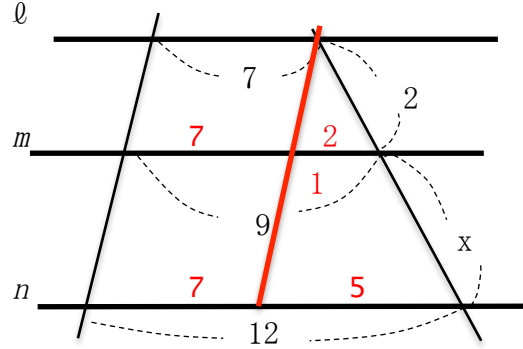


$$2 : a = 4 : 10$$

$$a = 5$$

$$x = 5 + 6 = 11$$

② ℓ

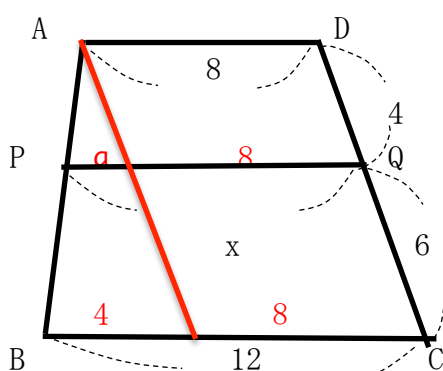


$$2 : 5 = 5 : (5 + x)$$

$$10 + 2x = 25$$

$$x = \frac{15}{2}$$

③

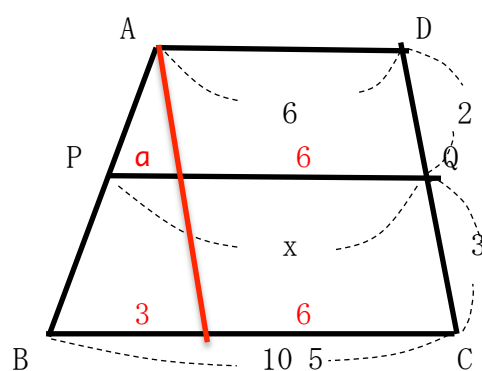


$$a : 4 = 4 : 10$$

$$a = \frac{8}{5}$$

$$x = 8 + \frac{8}{5} = \frac{48}{5}$$

④

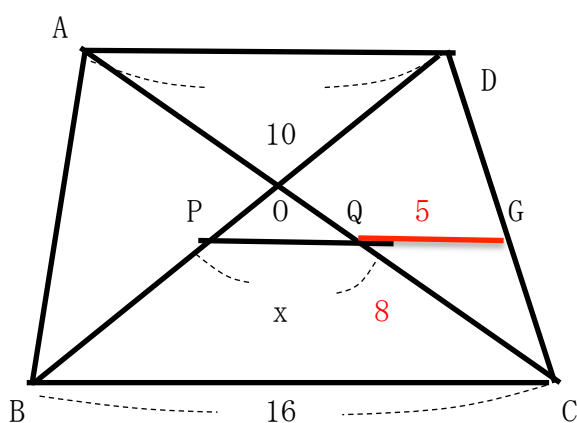


$$a : 3 = 2 : 5$$

$$a = \frac{6}{5}$$

$$x = 6 + \frac{6}{5} = \frac{36}{5}$$

⑤



$$QG : AD = 1 : 2$$

$$QG : 10 = 1 : 2$$

$$QG = 5$$

$$PG : BC = 1 : 2$$

$$PG : 16 = 1 : 2$$

$$PG = 8$$

$$PQ = 8 - 5 = \underline{3}$$