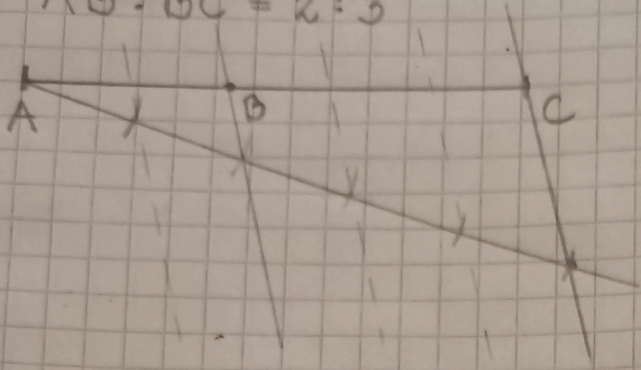
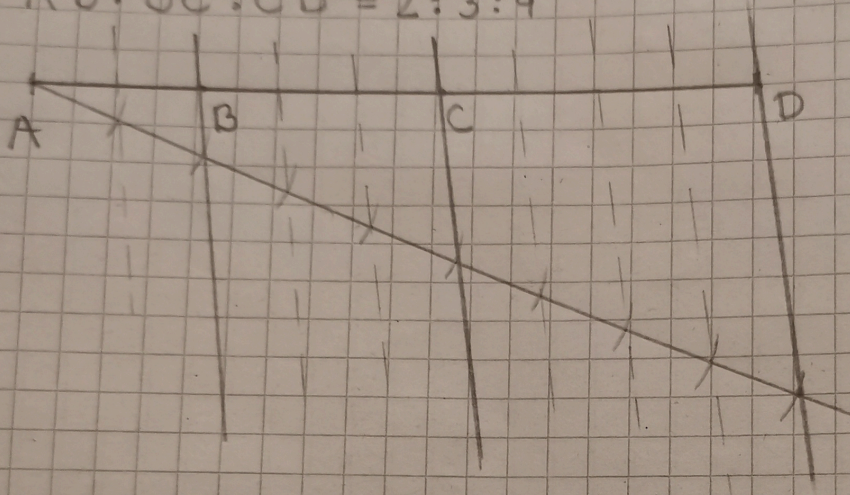


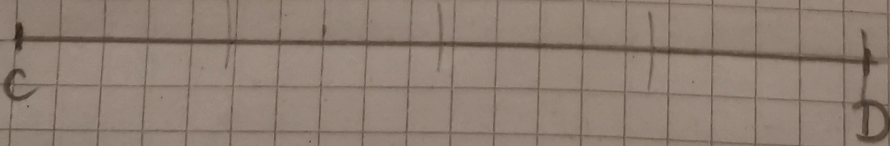
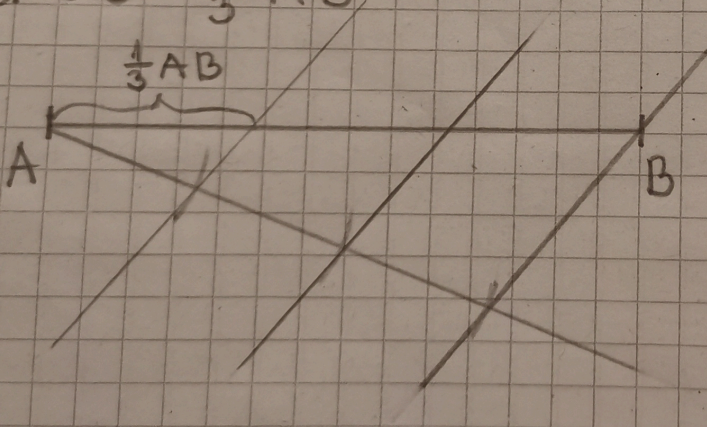
1. $AB:BC = 2:3$



2. $AB:BC:CD = 2:3:4$



3. $CD = \frac{4}{3} AB$



4. (11.)

$$AB \parallel CD$$

$$AB = 6 \text{ cm}$$

$$CD = 1,5 \text{ cm}$$

$$AM = 4 \text{ cm}$$

$$DM = 2 \text{ cm}$$

$$AB : CD = BM : DM$$

$$6 : 1,5 = BM : 2$$

$$1,5 BM = 12$$

$$BM = 12 : 1,5$$

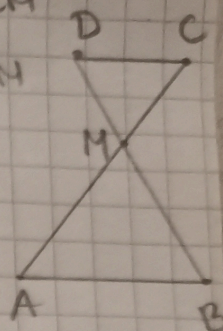
$$BM = 8 \text{ cm}$$

$$AB : CD = AM : CM$$

$$6 : 1,5 = 4 : CM$$

$$6 CM = 6$$

$$CM = 1 \text{ cm}$$



$$BM = ? \quad CM = ?$$

5. (34.)

$$a) \quad a = 25 \text{ cm}$$

$$p = 20 \text{ cm}$$

$$b = ? \quad c = ? \quad h = ? \quad q = ?$$

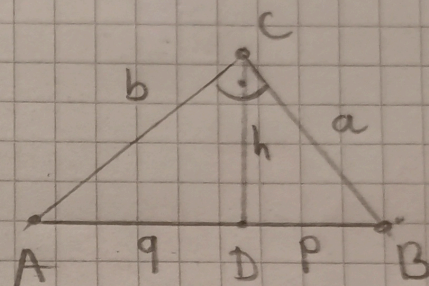
$$h^2 = a^2 - p^2 = 625 - 400 = 225$$

$$h = 15 \text{ cm}$$

$$h^2 = p \cdot q \Rightarrow q = \frac{h^2}{p} = \frac{225}{20}$$

$$q = 11,25 \text{ cm}$$

$$c = p + q = 20 \text{ cm} + 11,25 \text{ cm} = 31,25 \text{ cm}$$



$$b^2 = c^2 - a^2$$

$$b^2 = 976,5625 - 625$$

$$b^2 = 351,5625$$

$$b = 18,75 \text{ cm}$$