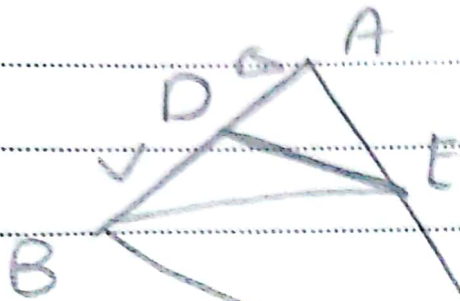


دربارهٔ هندسه

(پایهٔ هفتم دفتر A)

تاثیر خطایابی

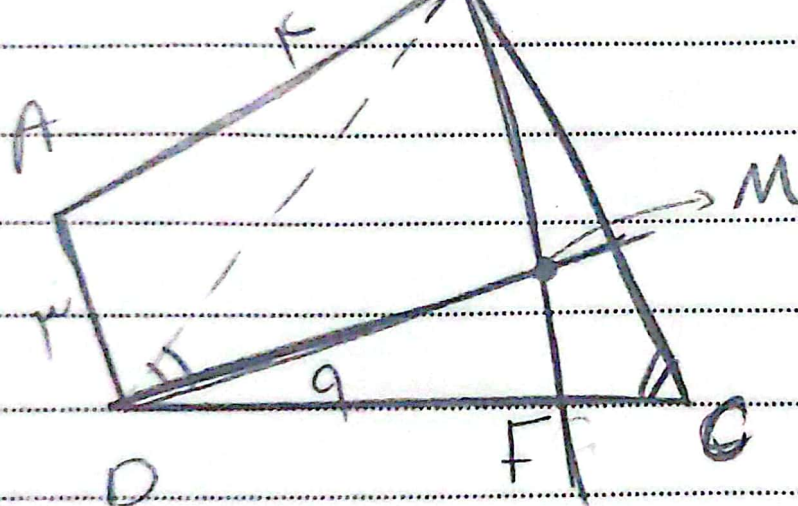
①



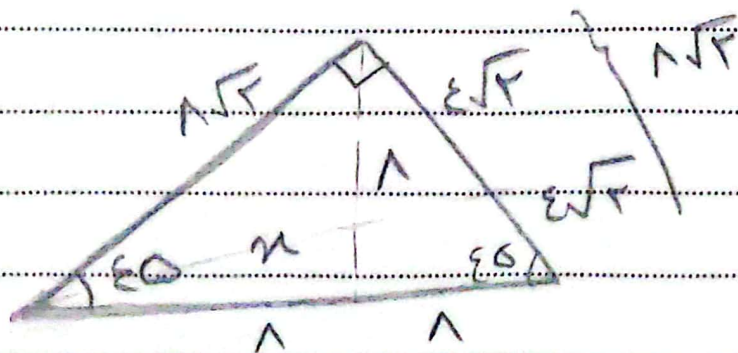
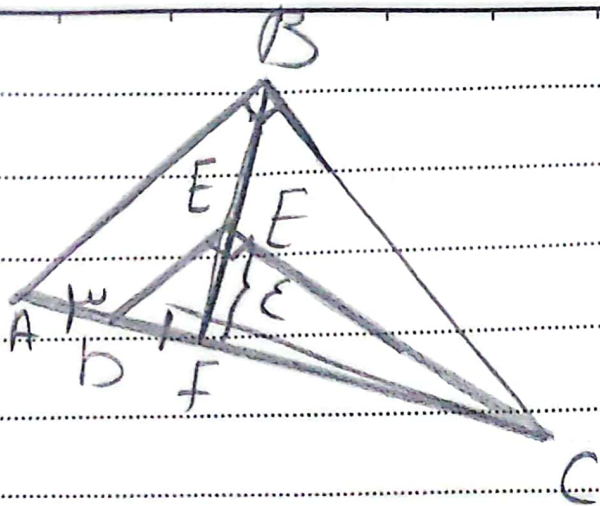
BEC, DBE

در مثل هم ارتفاع
نسبت مساحت ها برابر است با

$$\frac{S_{BCE}}{S_{BDE}} = \frac{BC}{DE} = \frac{2}{12}$$

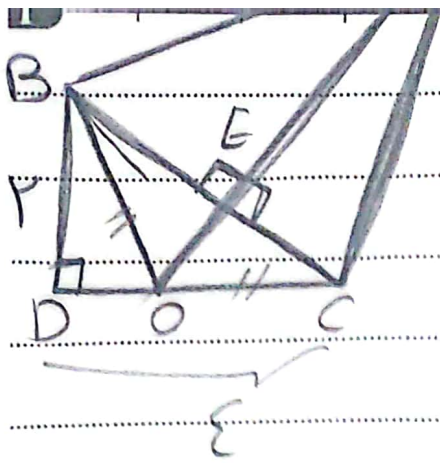


②



$$(c\sqrt{2})^2 + (d\sqrt{2})^2 = h^2 \rightarrow 12a + 3b = 2$$

$$h = \sqrt{10}$$



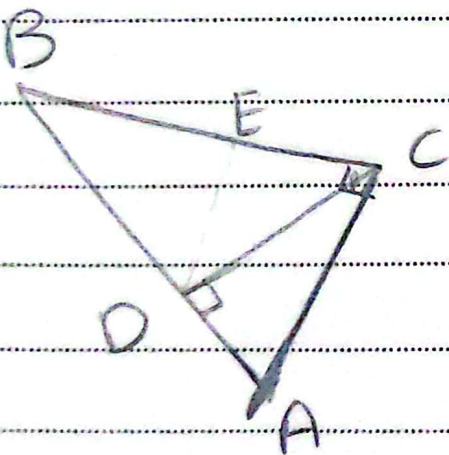
$$BC = \sqrt{20}$$

(A)

$$BE = \frac{\sqrt{20}}{2}$$

متساوية الساقين
BOC

4



(9)

$$CD = \frac{9\sqrt{10}}{10}$$

$$AC' + BC' = AB'$$

$$9 + 11 \quad AB = 2\sqrt{10}$$

$$AC \times BC = AB \times CD$$

$$2 \times 9 = 2\sqrt{10} \times CD$$

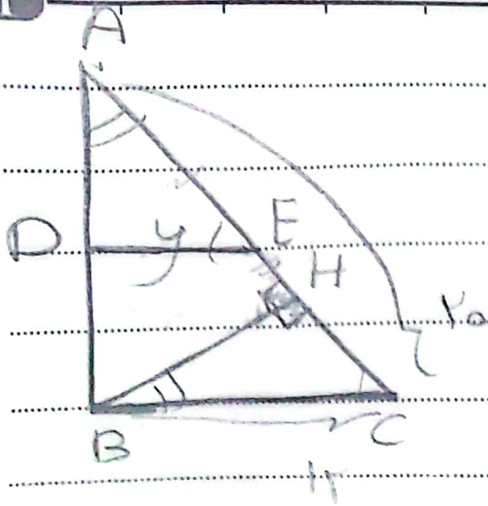
$$CD' = CE \times BC$$

$$\frac{11 \times 9}{10} = 9 \times CE \quad CE = 0,9$$

$$BE = BC - CE = 9 - 0,9 = 8,1$$

PARAMOUNT

$$DE = (\epsilon_0 \sqrt{r} - \epsilon_0) \times \mu$$



$$\frac{DE}{BH} = \frac{r}{r_0}$$

$$r \cdot r = \frac{r_0}{2} y$$

$$\frac{r}{2} r = y$$

$$ADE \sim BHC$$

$$\frac{CH}{y} = \frac{BH}{AD} = \frac{r}{r_0}$$

$$r(r_0 - r) = 2y$$

$$r(r_0 - r) = 2 \times \frac{r}{2} r$$

$$r \epsilon_0 - r \epsilon_r = \frac{r}{2} r$$

~~Case~~

$$r \epsilon_r + r \epsilon_0 \alpha r - r \epsilon_0 \alpha r$$

$$r \epsilon_r + \epsilon_0 r = \epsilon_0 r$$

$$r \epsilon_r = 0$$

$$\Delta = 1400 - \epsilon_r - \epsilon_0 = 1400$$

$$\frac{-\epsilon_0 \pm \sqrt{\epsilon_0^2 + 4 \epsilon_r}}{2} = \frac{-\epsilon_0 \pm 10 \epsilon_r \sqrt{r}}{2}$$

PARAMOUNT

$$r(-\epsilon_0 \pm \epsilon_0 \sqrt{r})$$