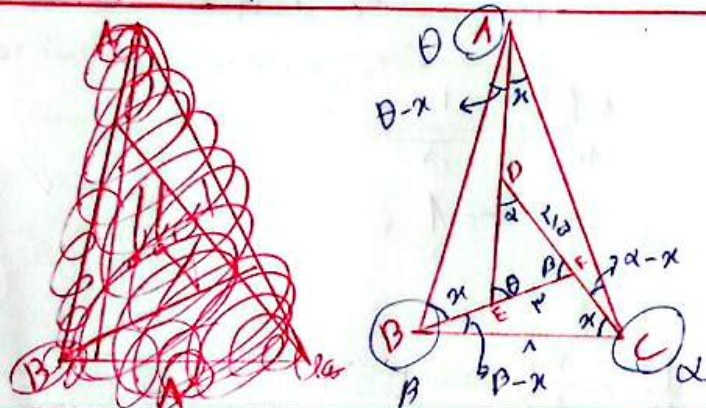
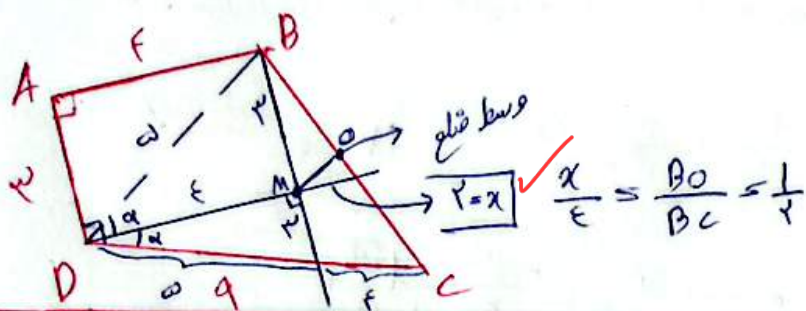


۲۰ $h \frac{B \hat{D} E}{1} = h \frac{B \hat{E} C}{2} \Rightarrow \frac{S_1}{S_2} = \left(\frac{BC}{DE} \right) = \left(\frac{V+u}{\omega} \right) = \frac{12}{\omega}$ ۱- (۲) ✓



۳- (۲) $\hat{A}\hat{B} \subset \sim E\hat{D}F$ با توجه به زوج

$$\frac{r_{10}}{r} = \frac{1}{AB} \Rightarrow AB = \frac{\epsilon_1}{\omega} \quad \checkmark$$

$$M_{BC}^A \sim A_{FM}^A \Rightarrow \frac{g}{r} = \frac{r}{A_F} \rightarrow 1/2 \Rightarrow g + \frac{g}{r} = F_{MT}$$

$$CM = \sqrt{49} = 7$$

$$F_m = \frac{r\sqrt{\omega}}{y}$$

$$\frac{CE}{E_M} \leq \frac{1}{1} \Rightarrow CE \leq \sqrt{E_M}$$

$$\lambda = \sqrt{a} \times \frac{\sqrt{a}}{r} \times \frac{1}{r} = \frac{1a}{r^2} \quad \checkmark$$

$$EF^{\vee} = DF \times FC$$

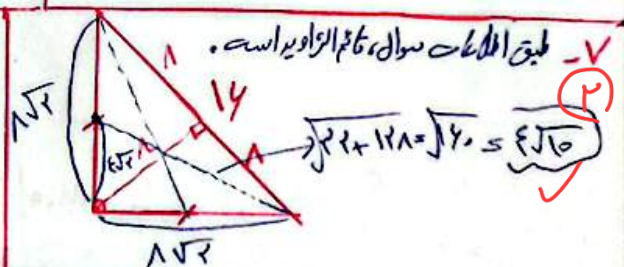
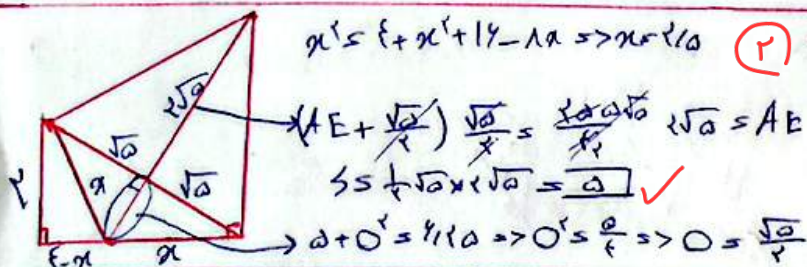
$$14 = 1 \times 14 \Rightarrow F_C = 14$$

$$BC^2 = FC \times AC = 14 \times (14 + 43) = 720 \Rightarrow BC = 1\sqrt{2}$$

$$A\hat{C}E \sim A\hat{E}D$$

$$\frac{\sqrt{1+x^2}}{1} \leq \frac{1+x}{\sqrt{1+x^2}} \Rightarrow 1 + \log x \leq 1 + x^2$$

$$\Rightarrow x^2 - |x+1| = 0 \quad \begin{matrix} \nearrow r \\ \searrow r \end{matrix} \quad \checkmark$$



$$1 \text{ f.e.s } H \text{ c'x } \rightarrow H \text{ c'x } V \text{ r} \rightarrow A E \text{ c'x } E H \quad -1$$

$$\frac{P_E}{V} = \frac{4/1}{20} \Rightarrow P_E = \frac{4/1 \times 20}{200} = \frac{19/1}{100} = 1/100$$

$$BA = 2\sqrt{10} \quad 2\sqrt{10} \times AD = 9$$

$$\frac{1}{2} \times 2\sqrt{10} = \frac{9}{\sqrt{10}} \leftarrow$$

$$\frac{BP}{BA} = \frac{BE}{AP} = \frac{2/\sqrt{5}}{2\sqrt{5}} \rightarrow BE = 1/1 \checkmark$$