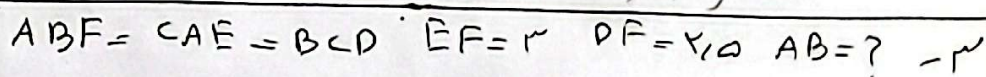


$$\sin \theta = \frac{f}{c} = \frac{x}{9}$$

$$\cos B = \frac{r}{a} = \frac{y}{9} \Rightarrow y = 9 \cos B$$

$$M'(r, r, \omega, \gamma)$$

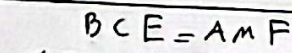
$$MM' = \sqrt{\frac{162}{100} + \frac{257}{100}} = \sqrt{f} = \boxed{2}$$



نیز در مثلث DEF و ABC خط r

$$\frac{AB}{r} = \frac{1}{r_0} \quad \underbrace{r_0 AB = r}$$

$$F=B \quad E=A \quad AB=9,4$$



$$\tau_{EB} = 0.7$$

TIME - EC

$$m_c^T = 9 + 3y$$

$$F_M = \frac{r\sqrt{\omega}}{r}$$

$$\tan \alpha = \frac{1}{2}$$

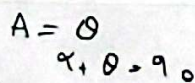
$$t_{90} n \alpha = \frac{A_F}{A_M} = \frac{1}{r}$$

AF $\frac{1}{T}$

$$M_c = 3\sqrt{\omega}$$

$$y = \sqrt{u}$$

$$\frac{\sqrt{\omega} \times \sqrt{\omega}}{r} = \frac{\omega}{r} = \boxed{r \omega}$$



$$BE = DC, \angle AEB = \angle ACD$$

$$AE^r = ED \times EC$$

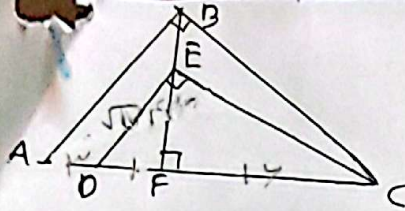
$$11^r + 2^r = 102 + 100$$

$$x^2 - 10x + 24 = 0$$

$$(x-v)(x-w)$$

$$x_1 = \mu x$$

$$u_p = v$$



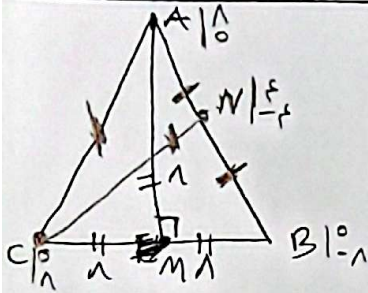
$$AD = r \quad EF = r \quad DF = 1 \quad BC = ?$$

$$1r = 1 \times FC$$

$$BC = 14 \times 20$$

$$FC = 14$$

$$BC = 14 \times 20$$

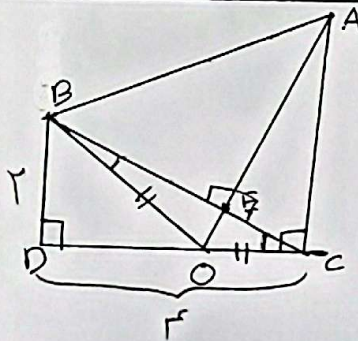


$$r^2 + r^2 = AB^2$$

$$11(r - 1)$$

$$AB^2 = 11r^2$$

$$\sqrt{(r-1)^2 + (-r-1)^2} = \sqrt{130} = \boxed{r\sqrt{10}}$$



$$BD = r \quad CD = r \quad \triangle ABE$$

$$\triangle AEB \sim \triangle ACD$$

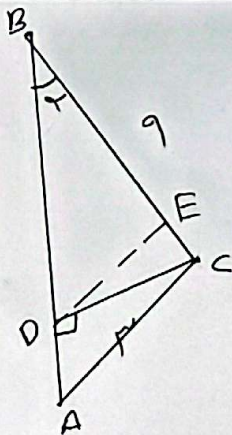
$$\frac{AE}{AC} = \frac{BE}{CD}$$

$$AE = r\sqrt{2} \quad BE = \sqrt{2}$$

$$AC = 2$$

$$\frac{1}{r} AE \times B$$

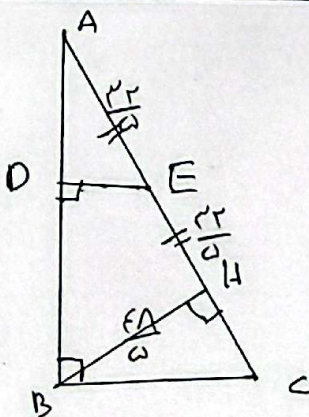
$$\frac{1}{r} \times r\sqrt{2} \times \sqrt{2} = \boxed{2}$$



$$\tan \alpha = \frac{r}{9} = \frac{1}{r}$$

$$\cos \alpha = \frac{r}{\sqrt{10}}$$

$$BE = BC \times \frac{BD}{BC} \times \frac{BE}{BD} = 9 \times \frac{r}{\sqrt{10}} \times \frac{r}{\sqrt{10}} = \frac{11}{10} = 1.1$$



$$AB = 13 \quad BC = 12$$

$$BH = \frac{12 \times 13}{20} = \frac{39}{5}$$

$$13r = AH \times 20$$

$$AH = \frac{13r}{20}$$

$$\frac{13r}{20} = \frac{DE}{\frac{13}{5}}$$

$$\boxed{DE = r, 13r}$$