

SUBJECT:

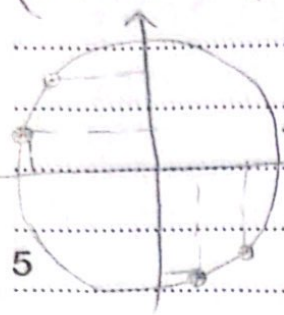
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سید شاہ

$$(\sin 11^\circ + \sin 100^\circ) (\cos 11^\circ - \cos 100^\circ)$$



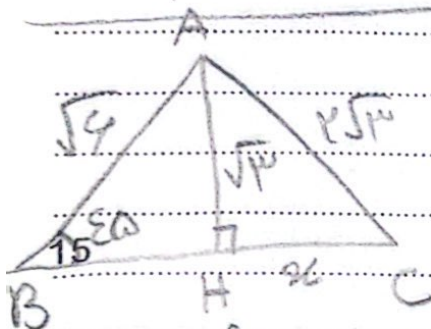
$$\left. \begin{aligned} \frac{\sqrt{r}}{r} &= \sin 11^\circ = \cos 100^\circ \\ \frac{-\sqrt{r}}{r} &= \cos 11^\circ = \sin 100^\circ \end{aligned} \right\} \rightarrow$$

$$\left[\frac{r}{\epsilon} - \frac{r}{\epsilon} = \frac{-1}{\epsilon} \right]$$

$$\frac{1 + \mu \tan 11^\circ}{\epsilon \cos 11^\circ + \cos 11^\circ}$$



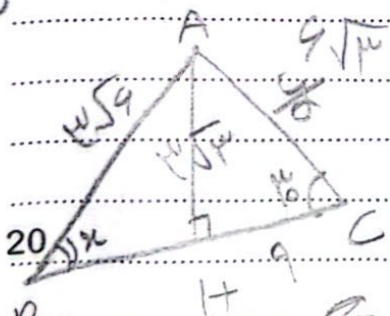
$$\frac{10 + 1}{\mu + 1} = \frac{r}{\epsilon} = \frac{1}{r}$$



$$AH = \frac{\sqrt{r}}{r} \times \sqrt{9} = \frac{\sqrt{1r}}{r} = \frac{r\sqrt{\mu}}{r} = \sqrt{\mu}$$

$$x^2 = (r\sqrt{\mu})^2 - (\sqrt{\mu})^2 = 1r - \mu = 9$$

$$x = \mu = AC$$



$$9 = AC \times \cos(20^\circ) = 9 \rightarrow \frac{9}{\frac{9}{\sqrt{\mu}}} = \frac{11}{\sqrt{\mu}} =$$

$$\frac{11\sqrt{\mu}}{\mu} = 9\sqrt{\mu}$$

$$\sin x = \frac{\mu\sqrt{\mu}}{\mu\sqrt{9}} = \sqrt{\frac{\mu}{9}} = \sqrt{\frac{1}{r}} = \frac{1}{\sqrt{r}} = \frac{\sqrt{r}}{r}$$

$$x = \mu$$

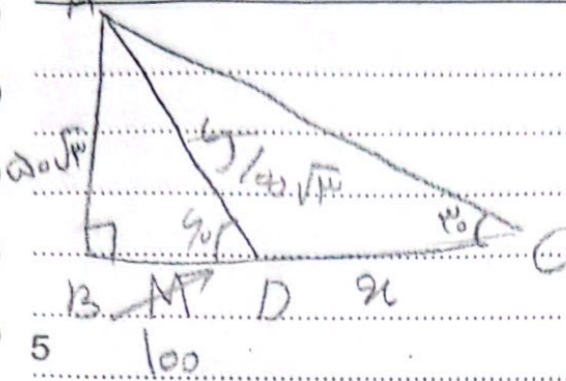
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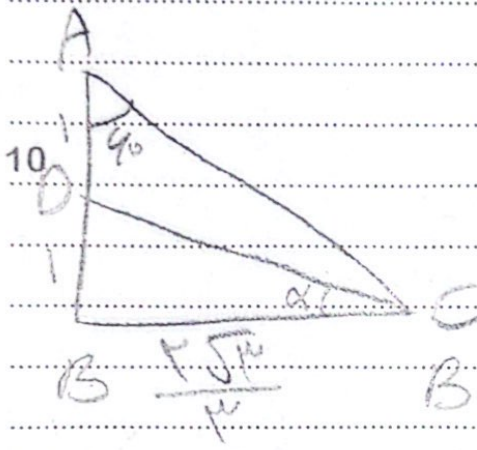


$$\sin 40^\circ = \frac{1}{x} = \frac{100\sqrt{3}}{x} \rightarrow x = 100\sqrt{3}$$

$$M = \frac{100\sqrt{3}}{1} \rightarrow M = 100$$

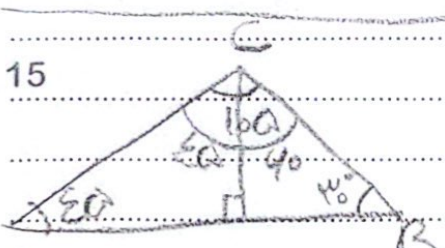
$$\frac{100 + x}{100\sqrt{3}} = \cos 40^\circ = \frac{1}{x} \rightarrow 100 = 100 + x$$

$$x = 100$$



$$\sin \alpha = ? \rightarrow \frac{x}{x\sqrt{3}} = \frac{1}{x}$$

$$\tan 40^\circ = \frac{x}{10} = \frac{BC}{AB} \rightarrow BC = \frac{x\sqrt{3}}{x}$$



$$\frac{AB}{AC} \Rightarrow \frac{\sin 100^\circ}{AC} = \frac{\sin 100^\circ}{AB}$$

$$\sin 100^\circ \cos 50^\circ + \cos 90^\circ \sin 50^\circ = \frac{9}{10} = \frac{\sqrt{9} + \sqrt{9}}{x}$$

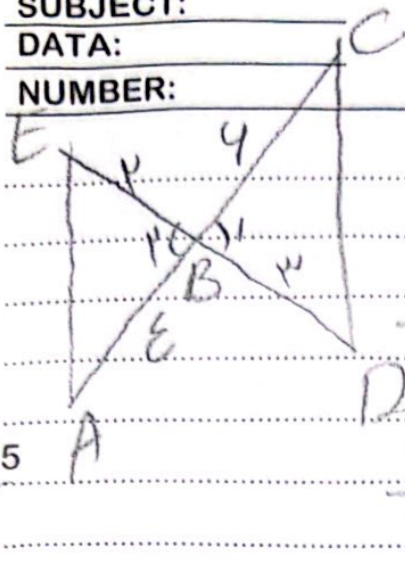
$$\frac{\sqrt{9}}{x} = \frac{AC}{AB} = \frac{\sqrt{11} + \sqrt{9}}{x} \rightarrow \frac{AB}{AC} = \frac{x}{\sqrt{11} + \sqrt{9}} = \frac{\sqrt{9} + \sqrt{9}}{x}$$

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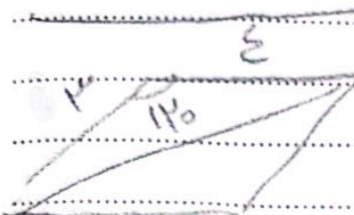
$$B_1 = B_2$$

(a)

$$\frac{S_{ABE}}{S_{BCD}} = \frac{A}{F} \times \frac{\sin B_1}{\sin B_2} \times \frac{1}{1A}$$

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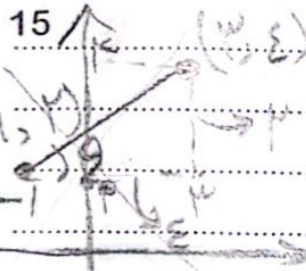
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$$\sin 110^\circ \times 1 \times 2 = \frac{\sqrt{10}}{10} \times 1 \times 2 = 4\sqrt{10}/9$$

9



$$S_{\square} = F \times \frac{1}{2} \times \frac{\sqrt{10}}{10} \times 1 \times \frac{1}{2} = \frac{10\sqrt{10}}{4}$$



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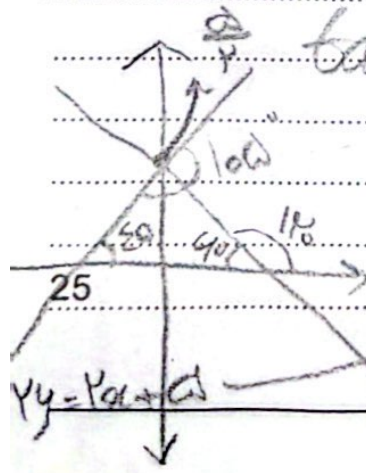
$$\cos \theta = \frac{1}{\sqrt{10}} = \frac{1}{\sqrt{10}} = \frac{1\sqrt{10}}{10} \quad (V)$$

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$$b = \frac{a}{2}$$

$$\tan 110^\circ = m \Rightarrow \sqrt{10} \quad y = \sqrt{10}x + b \quad (0, \frac{a}{2}) \quad (A)$$



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$$a = 1 \rightarrow \tan \theta = 1 \quad \theta = 45^\circ$$

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$$mb = -\frac{a\sqrt{10}}{1}$$

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$$f(x) = \cos\left(\frac{\omega}{r}x + \alpha\right) + \sin\left(\frac{\omega}{r}x + \alpha\right) - \tan\left(\frac{\omega}{r}x + \alpha\right)$$

$$f\left(\frac{\omega}{r}\right) = ?$$

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$$-\cos\left(\frac{\omega}{r}\right) + \cos\left(\frac{\omega}{r}\right) + \cot\left(\frac{\omega}{r}\right) = -\sqrt{r}$$

$$\frac{\sin\left(\frac{\omega}{r} + \alpha\right) + \cos\left(\frac{\omega}{r} - \alpha\right)}{\cos(\omega + \alpha) - \sin(\omega - \alpha)} = ?$$

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$$\cos(x) + \cos(x)$$

$$\cos\left(\frac{\omega}{r} - \alpha\right) = -\sin \alpha$$

$$\frac{-\cos(x) + \sin(x)}{}$$