

Subject. Maths

Chapter

Topic

Day. Month. Year.

$$a) \tan\left(r\pi + \frac{r\pi}{r}\right) + \sin\left(\varepsilon\pi + \frac{\pi}{\varepsilon}\right) \cos\left(r\pi + \frac{\pi}{\varepsilon}\right) \quad (1)$$

$$-1 + \frac{\sqrt{r}}{r} \times -\frac{\sqrt{r}}{r} = -1 - \frac{1}{r} = -\frac{r+1}{r}$$

$$b) \tan\left(r\pi + \frac{r\pi}{r}\right) \sin\left(r\pi + \frac{r\pi}{r}\right) + \cos\left(r\pi + \frac{\pi}{r}\right)$$

$$-\frac{1}{r} \times -\frac{\sqrt{r}}{r} - \frac{1}{r} = 0$$

$$\frac{r \cos \alpha - \sin \alpha}{\cos \alpha + \sin \alpha} = \frac{r + 1}{r - 1} = \frac{r+1}{r-1} \cdot \frac{\pi}{2} \quad (2)$$

$$\sin \alpha <$$

$$\cos \alpha <$$

$$\sin \alpha = r \cos \alpha \quad (3)$$

$$\tan \alpha = r$$

$$1 + \tan^2 = \frac{1}{\cos^2}$$

$$1 + r^2 = \frac{1}{\cos^2}$$

$$\cos = \frac{\sqrt{1-r^2}}{1}$$

$$\cos\left(r\pi + \frac{r\pi}{r} + \alpha\right) =$$

$$\cos \frac{r\pi}{r} \cos \alpha - \sin \frac{r\pi}{r} \sin \alpha = -\frac{\sqrt{r}}{r} \times \frac{\sqrt{r}}{1} - \left(\frac{\sqrt{r}}{r} \times \frac{\sqrt{r}}{1}\right)$$

$$\frac{r}{1} - \frac{1}{1} = \frac{r-1}{1} = \frac{r-1}{1}$$

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$$\sqrt{1 - \sin^2} = \cos \Rightarrow -\sqrt{1 - \frac{r}{l_0}} = -\sqrt{\frac{9\lambda}{l_0}}$$

$$-\frac{v}{\Delta \sqrt{r}} = -\frac{\sqrt{9\lambda}}{l_0}$$

$$b) \tan = \frac{1}{v} \Rightarrow Gt = v$$

$$1 + \varepsilon_9 = \frac{1}{\sin^2} \Rightarrow \sin^2 = \frac{1}{\sqrt{0.}} = \frac{\sqrt{r}}{l_0} \Rightarrow \cos \alpha = \frac{\sqrt{r}}{l_0}$$

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$$\sin \left(\pi + \frac{2\pi}{\varepsilon} + \alpha \right) = \sin \frac{2\pi}{\varepsilon} \cos \alpha + \sin \alpha \cos \frac{2\pi}{\varepsilon}$$

$$-\frac{\sqrt{r}}{r} \times \frac{\sqrt{r}}{l_0} + \frac{\sqrt{r}}{l_0} \times -\frac{\sqrt{r}}{r} = -\frac{v}{l_0} - \frac{1}{l_0} = -\frac{\lambda}{l_0} = -\frac{1}{l_0}$$

$$r \sin^2 + \cos^2 = \frac{\varepsilon}{r}$$

$$\sin^2 + 1 = \frac{\varepsilon}{r} \Rightarrow \sin^2 = \frac{1}{r} \Rightarrow \cos^2 = \frac{1}{r}$$

$$1 + \tan^2 = \frac{1}{\cos^2} \Rightarrow 1 + \tan^2 = \frac{r}{1} \Rightarrow \tan^2 = \frac{1}{r}$$

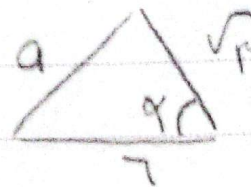
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$$\frac{a}{r} = \frac{1}{r} \times \cancel{r} \times \sqrt{r} \times \sin \alpha$$

$$\frac{\sqrt{r}}{r} = \sin \alpha \Rightarrow \alpha = 4.^\circ$$

$$\alpha = 1r.$$



$$a = \sqrt{r^2 + r^2 - 1r\sqrt{r} \cos \alpha} = \sqrt{r^2 - 1r\sqrt{r} \times \frac{1}{r}} = \sqrt{r^2 - \sqrt{r}}$$

$$a = \sqrt{r^2 + r^2 - 1r\sqrt{r} \cos \alpha} = \sqrt{r^2 - 1r\sqrt{r} \times \frac{1}{r}} = \sqrt{r^2 + 4\sqrt{r}}$$

$$a = \sqrt{\frac{r^2 + 4\sqrt{r}}{r^2 - \sqrt{r}}}$$

$$\sin r \times a \times b = ac$$

$$\frac{1}{r} ab = ac$$

$$ab = 1.1$$

$$\frac{a}{b} = \frac{r}{r} \Rightarrow a = \frac{r}{r} b \Rightarrow \frac{r}{r} b = 1.1$$

$$b = 1.1r$$

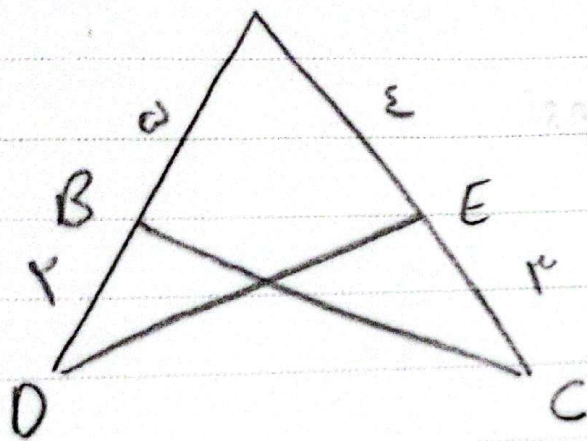
$$b = 9\sqrt{r}$$

$$a = 7\sqrt{r}$$

$$P = (9\sqrt{r} + 7\sqrt{r}) \times r = \boxed{16\sqrt{r}}$$

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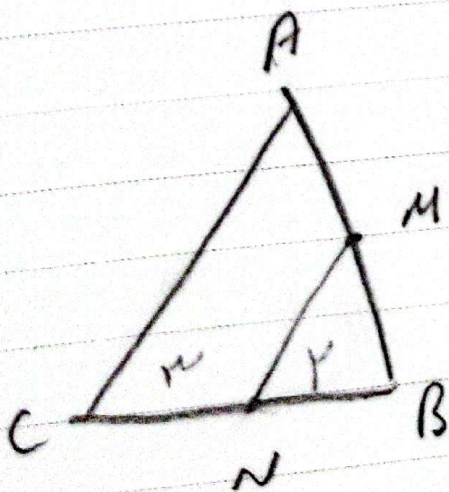
$$\frac{1}{r} \times V \times \Delta \times \sin A - \frac{1}{\epsilon} \times V \times E \times \sin \alpha = 11V\Delta$$

$$\frac{1}{r} \times V \times \sin A (\Delta - E) = 11V\Delta$$

$$\frac{V}{r} \sin A = \frac{V}{\epsilon}$$

$$\sin A = \frac{1}{r} \Rightarrow$$

$$\boxed{A = 1^\circ}$$



$$\frac{1}{r} \times AB \times BC \times \sin B = \frac{1}{\epsilon} \times \frac{r}{r} \times BN \times BM \times \sin B$$

$$AB \times BC = \frac{r}{\epsilon} \times \frac{BN \times BM}{r}$$

$$AB = r \times BM$$

$$BM + MA = r \times BM$$

$$MA = r \times BM \Rightarrow \frac{BM}{MA} = 1$$

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$$\frac{1}{|G_{S\alpha}|} - \tan \alpha = \frac{1}{|G_S|} - \frac{\sin \alpha}{G_{S\alpha}} \quad (1.)$$

$$\frac{1}{|G_{S\alpha}|} - \frac{\sin \alpha}{G_{S\alpha}} = \frac{1}{|G_{S\alpha}|} + \frac{\sin \alpha}{|G_{S\alpha}|}$$

$$G_{S\alpha} < 0$$

$$\frac{|(\sin \alpha)|}{G_S} = - \frac{\sin \alpha}{G_S}$$

$$\sin \alpha < 0$$

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