

Date:

Sub:

$$\frac{\sqrt{p}}{p} + \left(-\frac{\sqrt{p}}{p}\right) \left(\left(\frac{\sqrt{p}}{p} - \left(-\frac{\sqrt{p}}{p}\right)\right)\right) \rightsquigarrow \frac{p}{\varepsilon} - \frac{p}{\varepsilon} = \frac{1}{\varepsilon}$$

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①

$$\frac{1 + p \left(\frac{\sqrt{p}}{p}\right)^2}{p \left(-\frac{\sqrt{p}}{p}\right)^2 + \varepsilon \left(\frac{\sqrt{p}}{p}\right)} = \frac{1 + p \times \frac{p}{p}}{\varepsilon \times \frac{p}{p} + p \times \frac{p}{p}} = \frac{1}{p}$$

$$\text{a)} \sin \varepsilon \alpha^\circ = \frac{\sqrt{p}}{p} \rightarrow \sqrt{1p} = pAH \quad \frac{p\sqrt{p}}{p} = \sqrt{p} \quad (\sqrt{p})^2 + x^2 = (p\sqrt{p})^2 \quad \text{②}$$

$$p + HC^2 = \varepsilon \times p \rightarrow HC = \sqrt{p} \quad \text{HC} = \sqrt{p} \quad \text{b)} \tan \theta^\circ = \frac{\sqrt{p}}{p} \rightarrow AH \rightarrow p\sqrt{p} \rightsquigarrow \frac{p\sqrt{p}}{p} \quad \sin = \frac{p\sqrt{p}}{p\sqrt{p}} = \frac{\sqrt{p}}{p} \rightarrow \varepsilon \alpha^\circ$$

$$\text{a)} \sin \theta^\circ = \frac{100\sqrt{p}}{AC} \rightarrow AC \rightarrow 100\sqrt{p} \quad \left. \begin{array}{l} \sin \theta^\circ = \frac{100\sqrt{p}}{AC} \\ \frac{1}{p} \leftarrow AC \end{array} \right\} \tan \theta^\circ = \frac{100\sqrt{p}}{BD} = \sqrt{p}$$

$$\frac{100\sqrt{p}}{\sqrt{p}} = 100 \rightsquigarrow (100\sqrt{p})^2 + x^2 = (100\sqrt{p})^2$$

$$100000 - 10000 \rightarrow BC = 100 \quad \left\{ \begin{array}{l} BC = 100 \\ x = 100 \end{array} \right.$$

$$\text{b)} \tan \theta^\circ = \sqrt{p} \rightarrow \frac{BC}{p} \rightarrow p\sqrt{p} \quad \text{③} \quad 1 + (p\sqrt{p})^2 = 1p \rightarrow BC^2 \rightarrow BC = \sqrt{1p} \quad \sin \alpha = \frac{1}{\sqrt{1p}} \times \frac{\sqrt{1p}}{\sqrt{1p}} = \frac{\sqrt{1p}}{1p}$$

$$\frac{BC}{\frac{\sqrt{p}}{p}} = \frac{AC}{\frac{1}{p}} \rightarrow \frac{AB}{AC} = \frac{\sqrt{p} + \sqrt{p}}{p}$$

$$\frac{\sqrt{p}}{p} \times \frac{\sqrt{p}}{p} + \left(\frac{1}{p} \times \frac{\sqrt{p}}{p}\right) = \frac{\sqrt{p}}{p} + \frac{\sqrt{p}}{p} = \frac{\sqrt{p} + \sqrt{p}}{\varepsilon}$$

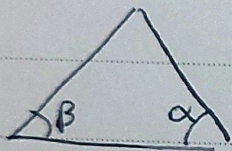
$$\sin 100^\circ = \sin(\theta^\circ + \varepsilon \alpha^\circ) = \sin \theta^\circ \cos \varepsilon \alpha^\circ + \cos \theta^\circ \sin \varepsilon \alpha^\circ$$

$$\frac{S_{ABE}}{S_{BCD}} = \frac{\frac{1}{r} \times r \times \varepsilon \times \sin \beta}{\frac{1}{r} \times r \times \varepsilon \times \sin \beta} = \frac{\varepsilon}{\varepsilon} \quad (4)$$

$$a) \frac{1}{r} \times \varepsilon \times r \times \sin 140^\circ = \sqrt{r} \times r = \sqrt{r} \quad (6)$$

$$b) \frac{1}{r} \times r \times \varepsilon \times \frac{\sqrt{r}}{r} = \sqrt{r} \quad (7)$$

$$\cos \alpha = \frac{r}{\sqrt{1}} \rightarrow \frac{r}{r\sqrt{r}} \rightarrow \frac{\sqrt{r}}{r} \quad (8)$$



$$m = \tan \alpha = \frac{\sqrt{r}}{r} \quad (9)$$

$$y = x + \frac{a}{r}$$

$$x=1$$

$$\frac{a}{r} \times \sqrt{r} = \frac{a\sqrt{r}}{r}$$

$$b = \varepsilon a^\circ \quad x=0 \rightarrow y = \frac{a}{r} \rightarrow y = \frac{a}{r} \left\{ \frac{a}{r} \sqrt{r} x + b \right\} \quad b = \frac{a}{r} \quad (10)$$

$$-\cos x + \cos x + \cot(x) = \cot x \rightarrow \cot\left(\frac{x}{4}\right) = \sqrt{r} \quad (11)$$

$$\left(\frac{r}{r} x + x\right) = \left(x + \frac{x}{r} + x\right) \rightarrow \left(\sin \frac{x}{r} + x\right) = \cos x$$

$$\frac{\cos x - \sin(x)}{-\cos x - (-\sin x)} = \frac{\cos x - \sin x}{-(\cos x - \sin x)} = -1 \quad (12)$$