

2.) $\frac{\delta \pi}{\delta r} = \frac{10.9}{51}$, VDO

$$1r, 0a + 1r, 0a + 1a = 1n.$$

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as

$$\frac{1500}{2} \times \frac{2}{1} = 1500$$

5

- 1 + 1 = 2

$$\text{ب) } \frac{\frac{1}{x} + 1 + x}{\left(\sqrt{x} - \frac{1}{\sqrt{x}}\right)} \cdot \frac{\sqrt{x}}{\sqrt{x}} = \frac{1 + \sqrt{x}}{4}$$

$$= \frac{1}{r} \cdot \frac{1}{r} + \frac{r}{r} \cdot \frac{\sqrt{r}}{r} = \sin^2 \theta = \frac{r}{2} \quad \sin \theta = \frac{\sqrt{r}}{2}$$

$$\sin \theta = \frac{\sqrt{r}}{r}$$

$$\theta = 30^\circ$$

$\tan 20^\circ$

$$= \frac{1}{\sqrt{r}} \left(1 - \frac{1}{r} \right) = \frac{1}{\sqrt{r}} \times \frac{r-1}{r} = \frac{r-1}{r\sqrt{r}} = \frac{r-1}{r\sqrt{r}} \times \frac{\sqrt{r}}{\sqrt{r}} \rightarrow \tan \theta = \delta$$

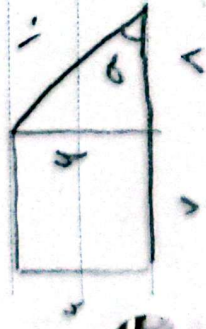
P4PCO ~~(1 - 1/r)~~ $\frac{1}{r}$

Subject: _____
Date: _____

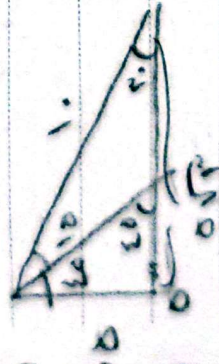
$$\tan \theta = \frac{\sqrt{r}}{r} \quad \text{Rad. } \theta = \frac{\pi}{2}, \frac{\pi}{4}$$

$$\frac{1}{\cos} (r \sin \theta - \cos \theta) \quad \frac{10-1}{5-2}$$

$$10.4 \times 10^4 \times 10^4 \times 10^4$$



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$$\sin \theta = \frac{BD}{r} = \frac{\sqrt{r}}{r} \quad BD = \sqrt{r}$$

$$\sin \theta = \frac{1}{r} \quad AB = \delta \quad CB = \delta \sqrt{r} \quad \delta = \delta(\sqrt{r}-1)$$

$$10.4 \times 10^4 \times 10^4 \times 10^4$$

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$$\sin \theta = \frac{1}{\sqrt{r}} \quad \sin \theta = \frac{1}{\sqrt{r}} \quad \sin \theta = \frac{1}{\sqrt{r}}$$

$$\cot \theta = \frac{1}{\sin \theta} \rightarrow \frac{1}{\sin \theta} = \frac{1}{\sin \theta} \quad \sin \theta = \frac{1}{\sqrt{r}}$$