

پنجشنبه ۱

ریاضی مدر B

۲۹

خرداد

شوال ۱۴۴۱

June 2020

1399

$$\tan\left(1\pi + \frac{3\pi}{4}\right) + \sin\left(\frac{5\pi}{4} + \frac{\pi}{4}\right) \times \cos\left(3\pi + \frac{\pi}{4}\right) =$$

$$-1 + \frac{1}{\sqrt{2}} = \frac{1}{\sqrt{2}} = \frac{1}{\sqrt{2}}$$

$$\tan\left(2\pi + \frac{5\pi}{4}\right) \times \sin\left(3\pi + \frac{3\pi}{4}\right) + \cos\left(3\pi + \frac{\pi}{4}\right) = \text{صفر}$$

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$$\frac{2 \times \frac{1}{\sqrt{14}} - \frac{1}{\sqrt{14}}}{\frac{1}{\sqrt{14}} + \frac{1}{\sqrt{14}}} = \frac{11}{5}$$

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$$\tan = 2$$

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

$$\rightarrow 1 + 4 = 5 \Rightarrow \cos^2 = \frac{1}{5}$$

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$$\cos \alpha = -\frac{\sqrt{5}}{5}$$

جمعه

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$$\cos\left(\frac{3\pi}{4} + \alpha\right) = \cos \frac{3\pi}{4} + \cos \alpha \Rightarrow \frac{-\sqrt{2}}{2} - \frac{-\sqrt{2}}{10} = -\frac{4\sqrt{2}}{5}$$

$$\sin\left(3\pi + \frac{\pi}{4} + \alpha\right) = \sin\left(\frac{5\pi}{4} + \alpha\right) = -\frac{2\sqrt{2}}{5}$$

$$\sin \alpha = \frac{1}{5\sqrt{2}} = \frac{\sqrt{2}}{10}$$

ما مریدان روی سوی قلبه چون نام چون روی سوی خانه خمار دارد پیر ما

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یکشنبه

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تیر

شماره

1441

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$$\frac{1}{(\cos \alpha)} - \frac{1 + \sin \alpha}{\cos \alpha} = \tan \alpha$$

$$\frac{-\sin \alpha}{\cos \alpha} = \frac{\sin \alpha}{\cos \alpha} \Rightarrow \cos \alpha < 0$$

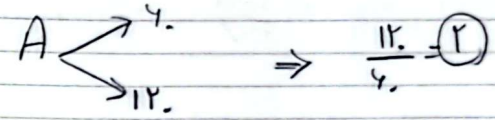
Sin < 0

$$r(1 - \cos^2) = \frac{r}{r} - \cos^2 \Rightarrow r \cos^2 = \frac{r}{r}$$

$$\tan^2 \alpha = \frac{r}{r} - 1 \Rightarrow \tan^2 \alpha = \frac{1}{r}$$

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

$$\sqrt{r} \times \sin \alpha = \frac{r}{r} \Rightarrow \sin \alpha = \frac{\sqrt{r}}{r}$$



$$r \times \frac{1}{r} \times \sin \alpha = \frac{r}{r} \Rightarrow \sin \alpha = \frac{r}{r}$$

$$P = r(9\sqrt{r} + 4\sqrt{r}) = 2\sqrt{r}$$

$$S_{ABC} - S_{ADE} = 1, \text{VD}$$

$$\left(\frac{1}{r} \times \omega \times V \times \sin \alpha\right) - \left(\frac{1}{r} \times V \times \frac{r}{r} \times \sin \alpha\right) = 1, \text{VD}$$

$$A = 30^\circ \Rightarrow \tan 30^\circ = \frac{\sqrt{r}}{r}$$

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

$$S_{ABC} = r S_{BMN} \quad \frac{1}{r} \times AB \times \frac{\omega}{r} \times \sin B =$$

$$\frac{\omega AB}{r} = BM$$

$$\frac{1}{r} \times BM \times \frac{\omega}{r} \times \sin B$$

$$\frac{BM}{AM} = \frac{r}{\omega}$$