

۱۸,۵

نام و نام خانوادگی پاسخنامه تشریحی تکلیف شماره ۱۹... کلاس A.....	
$\alpha = 10,5m - 30h$ $\alpha = 5,5 + 54 - 30 \times 3 = 20V$ $\rightarrow 30 \times 90 - 20V = 1030$ (ب) $11,17 = 29V$ الف)  $5 \times 30 + 4 = 144 + 2V = 1030$ $\frac{30}{40} = \frac{2V}{100}$	۱
الف)  $5 \times 30 + 4 \times 4 + 4 = 110$ ب) $5,5m - 30h = 5,5 \times 18 - 30 \times 4 = 110$	۲
الف) $S = \frac{\alpha}{r} R^2 = \frac{\pi}{4} \times 3^2 = \frac{\pi}{12} \times 4 = \frac{3\pi}{4}$ ب) $P: \alpha R = \frac{\pi}{4} \times 3 = \frac{\pi}{4}$ $P = \alpha r + 2r = 2(3) + \frac{\pi}{4}(3) = 4 + \frac{\pi}{2}$	۳
الف) $S = \frac{1}{2} \times \omega \times A^2 \times \sin^2 \theta_0 = 10\sqrt{3}$ $a = \sqrt{25 + 44} = \sqrt{69} = 8,3$ $P = 5 + 1 + V = 10$	۴
$B, C = 150 \rightarrow a = 30$ $\frac{15}{\frac{1}{2}} = \frac{15\sqrt{2}}{?} \rightarrow ? = \frac{\sqrt{2}}{2} \rightarrow \beta = 45^\circ \times \frac{\pi}{180} = \frac{\pi}{4}$ $100 - 40 = 60 = 10 \times \frac{\pi}{180} = \frac{5\pi}{3} = \hat{C}$	۵

$$\frac{-\tan x + y \tan x}{-\tan x - y \tan x} = \frac{y \tan x}{-y \tan x} = -1$$

$$\frac{r \tan\left(\frac{\pi}{r} - \frac{\pi}{1r}\right) + r \tan\left(\frac{\pi}{r} + \frac{\pi}{1r}\right)}{r \tan\left(\pi - \frac{\pi}{1r}\right) - \tan\left(\frac{r\pi}{r} - \frac{\pi}{1r}\right)} = \frac{r \cot \frac{\pi}{1r} - \cot \frac{\pi}{1r}}{-r \tan \frac{\pi}{1r} - \cot \frac{\pi}{1r}} = \frac{\cot \frac{\pi}{1r}}{-r \tan \frac{\pi}{1r} - \cot \frac{\pi}{1r}} = \frac{1}{-r \tan \frac{\pi}{1r} - \cot \frac{\pi}{1r}}$$

$$\frac{\sin^4 n + \cos^4 n + 2 \sin n \cos n + \sin^2 n + \cos^2 n - 2 \sin n \cos n}{\sin^2 n + \cos^2 n} = \frac{1(\sin^2 n + \cos^2 n)}{\sin^2 n + \cos^2 n} = 1$$

$$\begin{aligned} \sin^2 \theta - \cos^2 \theta &= \frac{y}{p} - y \sin^2 \theta - 1 = \frac{y}{p} \rightarrow y \sin^2 \theta = \frac{p}{p} \rightarrow \sin^2 \theta = \frac{p}{q} \rightarrow \cos^2 \theta = \frac{1}{q} \\ \tan^2 \theta &= \frac{\sin^2 \theta}{\cos^2 \theta} = \frac{\frac{p}{q}}{\frac{1}{q}} = \underline{p} \end{aligned}$$

$$\frac{\frac{\sin^2 \theta - \cos^2 \theta + 1}{\sin^2 \theta + \cos^2 \theta - 1}}{1 + \cos^2 \theta} = \frac{1 - \cos^2 \theta - \cos^2 \theta + 1}{\cos^2 \theta} = \frac{1 - 2\cos^2 \theta}{\cos^2 \theta} = \frac{1}{\cos^2 \theta} - 2 = \sec^2 \theta \rightarrow \frac{1}{\cos^2 \theta} = 2$$

$$\cos^2 \alpha = \frac{r}{V} \rightarrow \sin^2 \alpha = \frac{0}{V}$$

$$\tan^2 \alpha = \frac{\sin^2 \alpha}{\cos^2 \alpha} = \frac{0}{\frac{r}{V}} = \frac{0}{V} = \underline{r, 0}$$

$$\cos \alpha_{(r,r,0)} = \frac{1 + \cos \frac{\sqrt{r}}{r}}{r} = \frac{r + \sqrt{r}}{r} = \frac{r + \sqrt{r}}{r} \Rightarrow \cos(r, r, 0) = \frac{\sqrt{r + \sqrt{r}}}{r}$$

$$\therefore \sin^r \alpha = \frac{1 - \frac{-\sqrt{r}}{r} \cos(4V, 0)}{r} = \frac{r + \sqrt{r}}{r} = \frac{r + \sqrt{r}}{r} \rightarrow \cos(4V, 0) = \frac{\sqrt{r + \sqrt{r}}}{r}$$