Question 1

Question 2

$$3 = \int_{0}^{2\pi} |\operatorname{Sich}|^{2} dt = \int_{0}^{2\pi} 3 \cos^{2} w t \, dt = \frac{3\pi}{w}$$

$$\mathcal{E}_{2} = \int_{0}^{2\pi} |\operatorname{Sich}|^{2} dt = \int_{0}^{2\pi} (\frac{3\overline{p}}{2} \sin w t + \frac{3\overline{p}}{2} \cos w t)^{2} dt = \frac{3\pi}{w}$$

$$2) \quad \text{figh} = \frac{\operatorname{Sich}}{\sqrt{\mathcal{E}_{1}}} = \sqrt{\frac{w}{\pi}} \cos w t$$

$$C12 = \int_{-\infty}^{\infty} S_{2} cti ficti dt = \int_{0}^{\frac{2\pi}{W}} \sqrt{\frac{w}{\pi}} assut \left(\frac{\sqrt[3]{2}}{2} sinut + \frac{\sqrt[3]{2}}{2} assut\right) dt$$

$$= \sqrt{\frac{\pi}{W}} \cdot \frac{\sqrt[3]{2}}{2}$$

$$f(t) = s_2(t) - \sqrt{\frac{\pi}{w}} \cdot \frac{3\sqrt{5}}{2} \sqrt{\frac{w}{\pi}} \cos wt = \frac{3\sqrt{5}}{2} \sin wt$$

$$8' = \int_0^{\frac{\pi}{w}} |f'(t)|^2 dt = \frac{\pi}{2w}$$

$$s = \int_0^{\frac{\pi}{w}} |f'(t)|^2 dt = \frac{\pi}{2w}$$

fet = 
$$\frac{\text{fict}}{\sqrt{g_2'}} = \sqrt{\frac{w}{\pi}}$$
 sount

$$\vec{S}_1 = (\sqrt{\frac{3\pi}{W}}, 0) \quad \vec{S}_2 = (\sqrt{\frac{9\pi}{2W}}, \sqrt{\frac{9\pi}{2W}})$$

$$g_2 = ||\vec{s}_2||^2 = \frac{9\pi}{2w} + \frac{9\pi}{2w} = \frac{9\pi}{w}$$

4) 
$$\vec{S}_1 \cdot \vec{S}_2 = \sqrt{2} \frac{\pi}{w}$$

考察点。正交私这程、信号能量计算、向量的范勤与内积

器 扫描全能王 创建