Roth. O-Whact

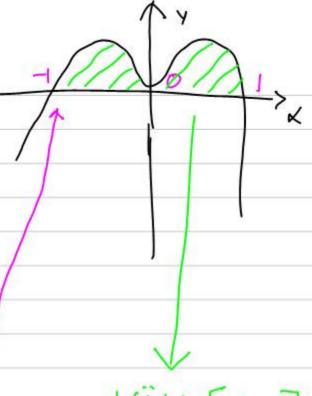
(misse pistusse kyró leikhoc

Y-ahtelin)

$$\chi^{2}(1-\chi^{2})=0$$

$$X=0$$
 $X^2=1$

$$\chi = \pm 1$$



$$\int (x^2 - x^4) dx = \sqrt{\frac{x^3}{3} - \frac{x^5}{5}} = \sqrt{\frac{1}{3}x^3 - \frac{1}{5}x^5}$$

$$= \begin{bmatrix} \frac{1}{3} \cdot 1^{3} - \frac{1}{5} \cdot 1^{5} \end{bmatrix} - \begin{bmatrix} \frac{1}{3} \cdot (-1)^{3} - \frac{1}{5} \cdot (-1)^{5} \\ -\frac{1}{3} & \frac{1}{5} \end{bmatrix}$$

$$= \frac{1}{3} - \frac{1}{5} + \frac{1}{3} - \frac{1}{5} = \frac{5}{3} - \frac{3}{5} = \frac{10}{15} - \frac{6}{15} = \frac{4}{15}$$

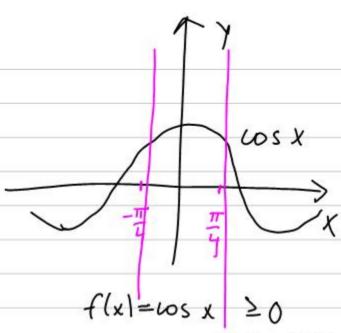
$$\frac{40}{40} f(x) = \omega s x$$

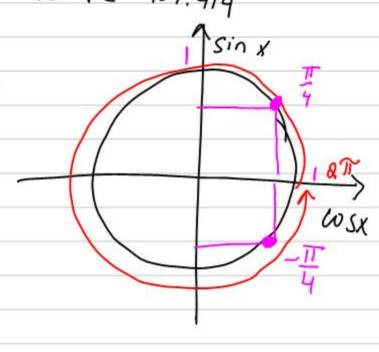
$$\frac{\pi}{4} \int \omega s x \, dx = \int \sin x$$

$$-\frac{\pi}{4} - \frac{\pi}{4} = \int \frac{\pi}{4} \sin x$$

$$= \sin \frac{\pi}{4} - \sin \left(-\frac{\pi}{4}\right)$$

$$= \frac{1}{\sqrt{2}} - \left(-\frac{1}{\sqrt{2}}\right) = \frac{1}{\sqrt{2}} + \frac{1}{\sqrt{2}} = \frac{2}{\sqrt{2}} = \boxed{2} \approx 1.414$$





(43)
$$f(x) = x^2 - 2x g(x) = 6x - x^2$$

$$\chi^{2} - 2\chi = 6\chi - \chi^{2}$$

 $2\chi^{2} - 8\chi = 0$ $\chi = \frac{-b \pm \sqrt{b^{2} - 40c^{2}}}{20}$

$$2x(x-4)=0$$

$$1$$

$$2x=0 \text{ tex} x-4=0$$

$$VALI [0,4]$$

$$\int_{0}^{4} (g(x) - f(x)) dx = \int_{0}^{4} (6x - x^{2}) - (x^{2} - 2x) dx = \int_{0}^{4} (-2x^{2} + 8x) dx$$

$$= \int_{-\frac{2}{3}x^{3}+4x^{2}}^{4} = \left[-\frac{2}{3}\cdot4^{3}+4\cdot4^{2}\right] - \left[-\frac{2}{3}\cdot0^{3}+4\cdot0^{2}\right]$$

$$= -\frac{2}{3}\cdot64^{+1}64 = \frac{64}{3} \approx 21.33 = 0$$

$$\frac{41}{\int (x^{3}-3x) dx} - \int (x^{3}-3x) dx$$

$$-\sqrt{3}$$

$$\int (x^{1}-3x) dx - \int (x^{3}-3x) dx$$

$$\int (x^{1}-3x) dx - \int (x^{3}-3x) dx$$

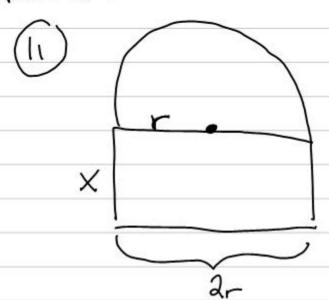
$$7=2$$

$$\theta = 0^{\circ}$$
 $\theta = 0^{\circ}$
 $\theta = 0^{\circ}$

$$2 = 2i$$

$$r = \sqrt{2^2 + 0^2} = 2$$

$$=2i$$



$$\leftarrow A = arx$$

$$\sqrt{-8} = \sqrt{4 \cdot -2} = \sqrt{2^{2} \cdot (-2)} = 2\sqrt{-2}$$

$$2^{2}$$

$$\sqrt{-8} = \sqrt{-1 \cdot 8} = \sqrt{(i)^{2} \cdot 8} = \sqrt{8}i$$

$$\sqrt{2} = \sqrt{2}$$

Kertaus 1.

$$A = \lambda r x + \frac{1}{2} \pi r^2$$

$$2x + 2r + \pi r = 10$$