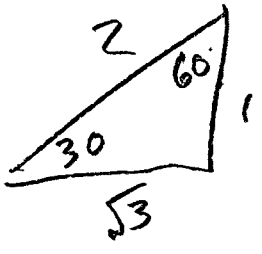


⑥ $\sin\left(-\frac{\pi}{3}\right) \Rightarrow f(x) = -f(x)$
 $f(-x) = -f(x)$



$-\sin\left(\frac{\pi}{3}\right) = \boxed{-\frac{\sqrt{3}}{2}}$

$\cos\left(-\frac{\pi}{3}\right) = \cos\left(\frac{\pi}{3}\right) = \boxed{\frac{1}{2}}$

$\tan\left(-\frac{\pi}{3}\right) = -\tan\left(\frac{\pi}{3}\right) = \boxed{-\sqrt{3}}$

⑫ $f(x) = 3x^2$
 $f(-x) = 3(-x)^2 = 3x^2$ } **EVEN**

$-f(x) = -3x^2 \neq 3x^2$

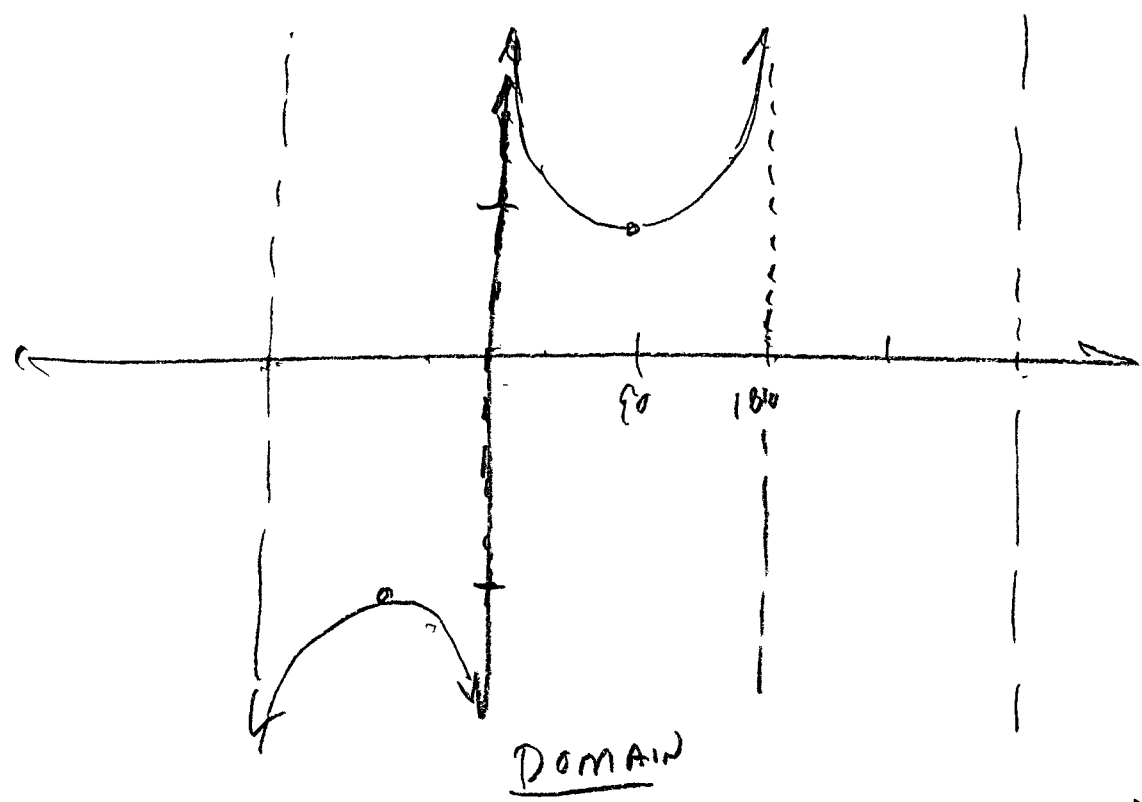
ex ⑰ $f(x) = 3x - 2x^3$
 $f(-x) = 3(-x) - 2(-x)^3$
 $= -3x + 2x^3 \neq f(x)$

ODD $-f(x) = -[3x - 2x^3] = -3x + 2x^3$

graphs

$$\frac{1}{\sin(x)}$$

← csc(x)



ODD

$$y = \csc(x) \quad x \neq k\pi$$

$$\text{or } x \neq k180^\circ$$

$$f(x) = -f(x)$$

$$(19) f(x) = 2 \cos(x)$$

DOES $f(x) = f(-x)$ EVEN TEST

$$f(-x) = 2 \cos(-x) \Rightarrow \boxed{\text{EVEN}}$$

$$(25) f(x) = \frac{\sin(x)}{x}$$

DOES $f(x) = f(-x)$? EVEN TEST

$$f(-x) = \frac{\sin(-x)}{(-x)} = \frac{-\sin(x)}{-x}$$

$$= \frac{\sin x}{x}$$

$\boxed{\text{EVEN}}$