25.
$$y = 3 \sin(2x + \frac{\pi}{4}) - 2$$
 $y = 3 \sin(x)$
 $0: (-\infty, \infty)$
 $0: (-\infty, \infty$

0: (-00,00) R: [-1, 1] y = e. f (x) y = 3 sin(x) R: [-3,3] y = 3 sin(x) -: 2 R: [-3+(-2), 3+(-2)] y= 2 sin W: C-2,2] Y = COS X 0: (-00,00) R: [-1,1] R: [-2,2] = cos(x)y = -3 cos(x)+1

30.
$$y = 2 + an(\frac{1}{3} \times - \frac{\pi}{6}) - 3$$

$$y = co + x = \frac{x}{y}$$

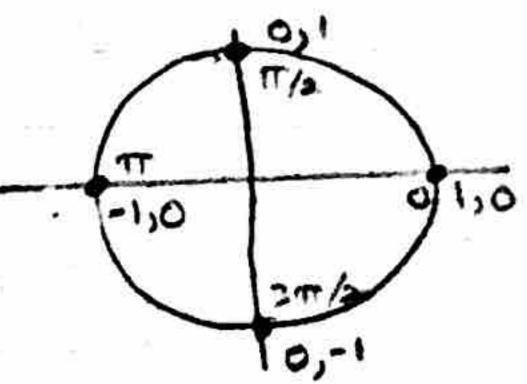
$$y > 0$$

$$0 + \pi \Gamma C$$

Find Domain and Range For Cosecant

IC represents all real numbers

Domain X cannot equal to Ik



Im going to use

$$y = 2 \sec(\frac{1}{3}x - 3\pi) + 2$$

$$y = Sec(x) = \frac{1}{(0x)} = \frac{1}{x}$$

$$x > \overline{x}$$

$$\sqrt{x} + \overline{x}$$

$$(-\infty, -2 + (2)]$$