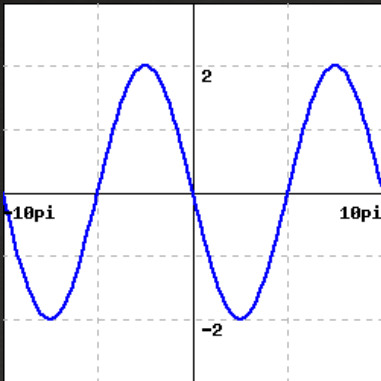
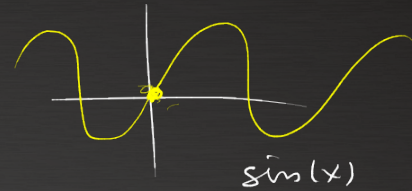




$$\left. \begin{array}{l} \sin(x) \\ \cos(x) \end{array} \right\} \text{no breaks}$$

$$\tan(x) = \frac{\sin(x)}{\cos(x)}$$

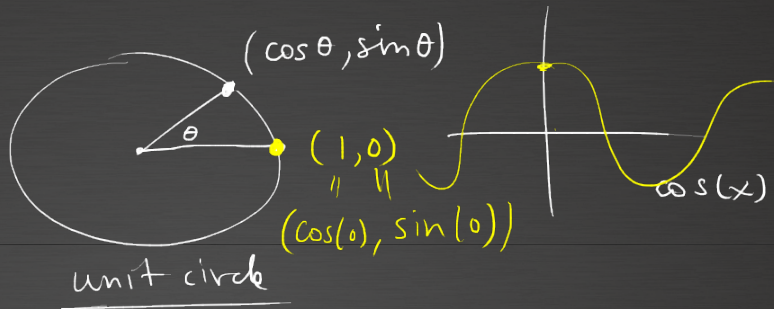


1. We can use a form of $\sin x$
2. Amp = 2 (Inverted $\Rightarrow -2$)
3. Period = $10\pi = \frac{2\pi}{k}$

$$k = \frac{2\pi}{10\pi} = \frac{1}{5}$$

$$4. c=0, h=0$$

$$5. f(x) = 2\sin\left(\frac{1}{5}x\right)$$



$$A \sin\left(k(x-h)\right) + C$$

$\frac{1}{2}$ dist from crest to trough $\rightarrow$ period = $\frac{2\pi}{k}$

