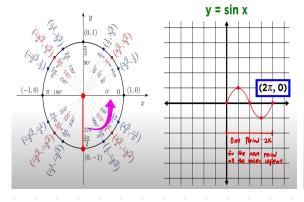


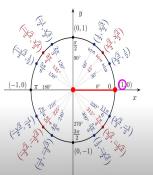
the lengths of the legs always depend on the angle, 0. Therefore, thing functions are pariodic. (Period=2x)

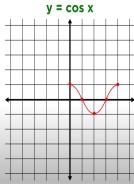
the angle, B, and the side lengths are related by several trigonometric functions



() Sin B = OPP (2) cos B = Adj (3) ton B = OPP Adjacent

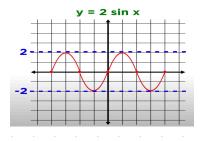


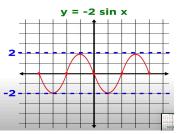




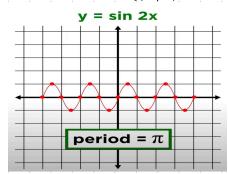
## Transformations:

O Vertical status y = a. sin x , amplitude: /al





@ horizontal shelds: y = sin bx. period = 2x/b i.e. b=2, period = x



- 3 Vertical Shift: y= sinx+ K
- Phorizontal Shift: Y= Sin(x+h), i.e., y= Sin(x+\frac{\pi}{2}) = cosx

