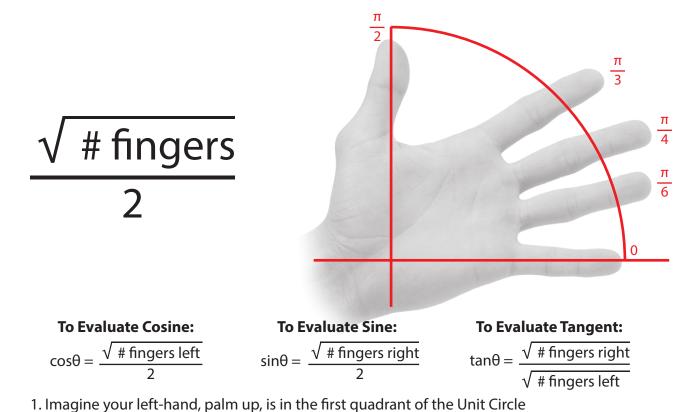
EVALUATING THE UNIT CIRCLE: LEFT HAND TRICK



- 2. Lower the finger that represents the desired angle
- 3. To find $cos\theta$ of an angle: Square root of the number of fingers to the left of your bent finger divided by 2
- 4. To find $sin\theta$ of an angle: Square root of the number of fingers to the right of your bent finger divided by 2
- 5. To find $tan\theta$ of an angle: Square root of the number of fingers to the right divided by the Square root of the number of fingers to the left

Example: Evaluate
$$\cos\theta$$
, $\sin\theta$, and $\tan\theta$ for $\theta = \frac{\pi}{3}$

$$\cos\frac{\pi}{3} = \frac{\sqrt{\# \text{ fingers left}}}{2} = \frac{\sqrt{1}}{2} = \frac{1}{2}$$

$$\sin\frac{\pi}{3} = \frac{\sqrt{\# \text{ fingers right}}}{2} = \frac{\sqrt{3}}{2}$$

$$\tan\frac{\pi}{3} = \frac{\sqrt{\# \text{ fingers right}}}{\sqrt{\# \text{ fingers left}}} = \frac{\sqrt{3}}{\sqrt{1}} = \frac{\sqrt{3}}{1}$$