$Sin\left(\frac{3\pi}{3}\right) = \frac{\sqrt{3}}{2}$

Basic Equations of sine and cosine

Remember that $\sin(\theta)$ and $\cos(\theta)$ are defined using the unit circle.



 $\sin(0) = \frac{\sqrt{3}}{3}$

Two Parts of Computing $\sin(\theta)$

E.g. Solve
$$\sin(\theta) = \frac{\Theta\sqrt{2}}{2}$$
 for θ in $[0, 2\pi)$





E.g. Solve
$$\cos(\theta) = -1$$
 for θ in $[0, 2\pi)$
the only solution in $[0, 2\pi)$
is \mathcal{P}

E.g. Solve
$$\sin(\theta) = 0$$
 for θ in $[0, 2\pi)$
y- conditate = 0

