Trig Equation	Principal Solution (Solution from your calculator)	Sketch of the <b>Graph</b>	Solutions in the range $0 \le x \le 360$	Challenge: Solutions in the range $-180 \le x \le 180$
$sin(x) = \frac{1}{2}$	x = 30°	-180 40 00 130 270 340		
$cos(x) = \frac{1}{2}$		0.5		
$sin(x) = \frac{\sqrt{3}}{2}$		-180 -60 0 60 180 270 360		
$sin(x) = -\frac{\sqrt{3}}{2}$		-180 -60 0 80 180 270 Si0		

Trig Equation	Principal Solution (Solution from your calculator)	<b>S</b> ketch of the Graph	Solutions in the range $0 \le x \le 360$	Solutions in the range $-180 \le x \le 180$
sin(x) = 0.4				
$sin(x) = \frac{\sqrt{2}}{2}$				
$cos(x) = \frac{-\sqrt{2}}{2}$				
cos(x) = -0.3				