Trigonometry 1

Section 2.8 General solutions of trigonometric equations





To find the general solution of $\sin x = k$ or $\cos x = k$, you find the two solutions in the interval $0^{\circ} \le \theta \le 360^{\circ}$ and then add $n360^{\circ}$ to each of the solutions.

Example 1

Find the general solution of the equation $\cos \theta = -\frac{\sqrt{3}}{2}$, θ in radians.

