

Trig Equations with radians:- Double angle

Solve the equations below for $0 \leq x \leq 2\pi$

1	$2\sin 2x - 1 = 0$
2	$2\cos 2x + 1 = 0$
3	$\sqrt{2}\cos\left(2x - \frac{\pi}{2}\right) - 1 = 0$
4	$2\cos\left(2x + \frac{\pi}{6}\right) + \sqrt{3} = 0$
5	$2\sin\left(3x - \frac{\pi}{4}\right) - \sqrt{3} = 0$
6	$\cos\left(3x + \frac{\pi}{3}\right) - 1 = 0$
7	$\sin 2x + 1 = 0$
8	$2\sin\left(2x - \frac{\pi}{6}\right) + 1 = 0$
9	$\sqrt{2}\cos 2x - 1 = 0$
10	$2\sin\left(2x + \frac{\pi}{2}\right) + \sqrt{3} = 0$