

Trig Equations with radians

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

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

10	$\sqrt{2}\cos(x - \frac{\pi}{2}) + 1 = 0$
11	$2\sin(x - \frac{\pi}{3}) - 1 = 0$
12	$\sqrt{2}\cos(x - \frac{\pi}{6}) = 1$
13	$2\sin(x + \frac{\pi}{3}) - \sqrt{3} = 0$
14	$\tan(x - \frac{\pi}{3}) - 1 = 0$
15	$\sqrt{2}\sin(x + \frac{\pi}{6}) + 1 = 0$
16	$\tan(x - \frac{\pi}{4}) + 1 = 0$
17	$2\cos(x + \frac{\pi}{6}) + \sqrt{3} = 0$