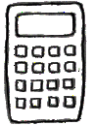


Solving Trigonometric Equations



*Solve the following equations for $0^\circ \leq x \leq 360^\circ$.
Round answers to the nearest tenth.*

- 1) $\sin x = 1$
- 2) $\tan x = 1$
- 3) $\cos x = 1$
- 4) $\sin x = 0.5$
- 5) $\cos x = 0.6$
- 6) $\tan x = 0.2$
- 7) $7 \cos x = 3$
- 8) $2 \tan x = \frac{1}{4}$
- 9) $8 + 3 \sin x = 10$
- 10) $\tan x = -1$
- 11) $\sin x = -0.9$
- 12) $\tan x = -0.1$
- 13) $7 + 8 \sin x = 4$
- 14) $\sin 2x = 0.2886$
- 15) $\cos 3x = -0.3321$
- 16) $\sin (x + 20^\circ) = 0.6551$
- 17) $\tan (x - 15^\circ) = -0.9128$
- 18) $\cos (2x + 33^\circ) = 0.306$
- 19) $\tan^2 x = \frac{1}{4}$
- 20) $\cos^2 x = \frac{1}{2}$