

Trig Equations Home Study

Solve these trig equations.

$180 - x$	x
S	A
T	C

Name: _____

$0^\circ \leq x \leq 360^\circ$

1. $7\sin x + 1 = 5$ $7\sin x = 4$ $\sin x = \frac{4}{7}$  $x = \underline{\underline{34.8^\circ}}$ $x = 180 - 34.8^\circ$ $= \underline{\underline{145.2^\circ}}$	2. $4\tan x - 3 = 2$ 	3. $5\cos x + 4 = 8$
4. $6\tan x + 7 = 2$ 	5. $8\sin x + 5 = 1$ 	6. $2\cos x + 6 = 5$
7. $9\sin x + 7 = 8$ 	8. $7\tan x - 2 = 3$ 	9. $5\cos x + 3 = 2$
10. $4\tan x - 7 = 0$ 	11. $8\cos x + 6 = 1$ 	12. $3\sin x + 2 = 4$