

Quiz: Trigonometric Equations

Take your best swing at these trigonometric equations.
(One method of solution will be shown.)

1 If $0 \leq x \leq 2\pi$,
Solve the equation
 $3(\cos x + 1) = 6$

2 If $0 \leq \theta \leq 2\pi$,
Solve the equation
 $5 \tan \theta + 2 = 2 \tan \theta$

3 solve the equation for x
when $0 \leq x \leq 2\pi$.
 $4 \cos x + 3 = 0$

4 If $0 \leq \theta \leq 2\pi$,
Solve the equation
 $1 \tan \theta + 3 = 6 \tan \theta$

5 If $0 \leq x \leq 2\pi$,
Solve the equation
 $2(\cos x + 1) = 2$

6 If $0 \leq \theta \leq 2\pi$,
Solve the equation
 $5 \tan \theta + 1 = 2 \tan \theta$

7 solve the equation for x
when $0 \leq x \leq 2\pi$.
 $8 \cos x + 4 = 0$

8 If $0 \leq \theta \leq 2\pi$,
Solve the equation
 $8 \tan \theta + 2 = 5 \tan \theta$

9 If $0 \leq x \leq 2\pi$,
Solve the equation
 $5(\cos x + 1) = 4$

10 If $0 \leq \theta \leq 2\pi$,
Solve the equation
 $7 \tan \theta + 4 = 2 \tan \theta$

Circle # Correct	0	1	2	3	4	5	6	7	8	9	10
Percentage Score	0%	10%	20%	30%	40%	50%	60%	70%	80%	90%	100%