

PreCalculus
Solving Trig Equations

Name: _____

Solving a Quadratic Equation in Algebra ...

If x^2 is the only variable, then _____.

If there is a x^2 AND a x but no constant term, then _____.

If there is a x^2 AND a x AND a constant term, then _____.

Solve each equation on the interval $[0, 2\pi)$.

1. $2\sin^2(x) - 5\sin(x) + 2 = 0$

2. $\sin^2(x) - 2\sin(x) - 3 = 0$

3. $4\cos(x) - \sqrt{3} = 2\cos(x)$

4. $2\cos^2(x) - 1 = 0$

Solve each equation for all values of x .

5. $\sin(x) - \sin(x)\cos(x) = 0$

6. $\tan^2(x) + \tan(x) = 0$

7. $3\cos^2(x) + \cos(x) = 2$

8. $3\sin(t) = 2\cos^2(t)$