Solving with trigonometric Identities: Guided Notes

# Examples

Solve each of the following equations for all radian values of *θ*.

## Look Familiar?

*Hint: Use your knowledge of factoring or other algebraic methods like the quadratic formula.*

**1)** 

## Try Identities?

*Hint: When you see more than one type of trig expression, try using a Pythagorean identity.*

**2)** 

## What if…?

*Hint: If you squared both sides, could you then use a Pythagorean identity? Watch out for extraneous solutions.*

**3)** 