Homework: pg 435 #1abc, 2ac, 3, 4-8ace, 9ac, 10, (11), 12, 14, 15a, (18)

**Solving Quadratic Trigonometric Equations**

Prior Knowledge:

There are several methods to solve a quadratic equation:

1. Factoring
2. Quadratic Formula
3. Graphing

A quadratic equation may have two solutions, one solution or no solution.

**Activity 1**

Solve the equation using multiple techniques.

Factoring Quadratic Formula Graphing



**y**

**x**

**Example 1**

Solve the equation ; .

**Example 2**

Solve the following trigonometric equations; .

a) b)

**Example 3**

Solve the following trigonometric equations; .

Hint: Factoring may help.

a) b)

**Example 4**

How would you start a solution to the following equations below?

a) b) c)