# Macintosh HD:Users:Amit:Progs:ExcelerateLive:HTML:ml.png Excelerate Lesson Plan

**Solving Quadratic Equations**

**About These Problems**

**Quadratic equations follow the form: f(x) = ax2 + bx + c. Solving the equation means finding the 2 x values that cause f(x) = 0. The quadratic formula is (–b + (b2 -4ac)1/2) / 2a**

**Question.**  Solve the following math equation for x.

f(x) = 2x2 + 7x + 3

1. x = -3, x = -0.5
2. x = 3, x = 0.5
3. x = -1, x = 3
4. x = 4, x = 6
5. x = -3, x = 5

**Answer.** **1**:

Follow the quadratic formula:

x = (-7 + (49 – 24)1/2) / 4 = -1/2

x = (-7 - (49 – 24)1/2) / 4 = -3