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

**Factoring**

**About These Problems**

**Factoring questions usually involve polynomials and solving for the 0 of one. The zero of a polynomial is the value that makes it equal to 0. Factoring helps us solve for it easily. If f(x) = (x-a)\*(x+b) we know the zeros are a and –b.**

**Question.**  Which of the following is a zero of the following polynomial?

F(x) = x2 + 2x + 1

1. -1
2. -2
3. -3
4. 2
5. 3

**Answer.** **1**: Factoring the equation gives us the following:

F(x) = (x+1)(x+1) From our factoring zero rules we know that -1 is now a 0.