

# **Math 241: HW 1**

Due on Friday, Aug 30

*Fall '13*

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**Problem 1**

Suppose that  $a, b, c \in \mathbb{R}$  and that  $ax^2 + bx + c = 0$ . Prove that  $x = \frac{-b \pm \sqrt{b^2 - 4ac}}{2a}$ .