

# Math 1513 - College Algebra

## Written Assignment 2 - Due 2014.01.26

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Directions: Please answer the following question in complete sentences. Be sure to label all geometric objects in any illustrations (if any). I will accept an answer in a scanned image format, as a pdf, or as a picture taken and sent from your awesome smart phone.

Identify the common factors in each expression, then factor completely:

$$x(x-3)^2(3x^2-1)^{-1/2} + (3x^2-1)^{1/2}(x-3)$$