

# Math 1513 - College Algebra

## Written Assignment 1 - Due 2011.01.15

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Directions: Please answer the following question in complete sentences. Be sure to label all geometric objects in any illustrations. I will accept an answer in a scanned image format, in a Word document or as a pdf.

Answer the following question by first translating each key phrase into an algebraic expression, then evaluate to solve the problem.

Question: At the local car dealership, shop charges are \$79.50 to diagnose the problem and \$85.00 per hour for labour. Express the cost of a repair in terms of the labour involved. If a repair takes 3.5 hours, how much will it cost?