

HOMWORK SET 2

MAT092 · FALL 2008

You must show all work to get full credit. You can use a calculator to check your work.

Problem 1. Solve the following equation for the given values showing each step. $y = -3x^2 + x + 1$.

(a) $x = 2$

(b) $x = -4$

Problem 2. Solve each of the following equations for x . Give exact answer.

(a) $8x + 15 = -2x + 23$

(b) $-8(x + 2) - 3x = -60$

(c) $-12 = 60 - 12(4x + 3)$

Problem 3. Divide \$15 among three people so that the second will have one dollar more than the first, and the third will have \$2 more than the second.

Problem 4. What is the greatest of 3 consecutive integers whose sum is 36?

Date: October 9, 2008 *Due Date:* Friday, October 10, 2008.

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