

QUIZ 1 - MATH 111

Friday, September 3

YOUR NAME: _____

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Read each problem **very carefully** before starting to solve it. Each problem is worth 10 points. It is necessary to show **all** your work. Correct answers without explanations are worth 0 points. GOOD LUCK!!

1. Suppose that grapes cost \$ 1.05 per pound, nectarines cost \$ 1.25 per pound and bananas cost \$ 0.49 per pound.
 - (a) Write a function $C(g, n, b)$ that gives the cost in dollars of buying g pounds of grapes, n pounds of nectarines and b pounds of bananas.
 - (b) Calculate your bill if you buy 2 pounds of grapes, 1.5 pounds of nectarines and 3 pounds of bananas.
 - (c) Explain the meaning of $C(0.5, 2, 1)$.
 - (d) Calculate the value of $C(0.5, 2, 1)$.