

MA 110-91 §4.4 - 4.5	<b>Quiz #7</b>	score	Name: _____ <b>4 November 2000</b>
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1. Professor Lou Zer is teaching a very popular course in advanced celestial mechanics with 250 students. The scores on the first test have a mean of 78 and a standard deviation of 9. If Professor Zer wants to have 50 students earn an A on the first test, what should the cut-off score be for a A? (7 points)

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2. How many individuals would need to be questioned in a survey if we want to have a level of confidence of 95% with a possible margin of error of 3%? Suppose we need a MOE of 2% with confidence level 95% - how many individuals are needed in the sample? (10 points)