Quiz 4

MATH 139-01 and -02
Monday, September 15, 2003

Be sure to **show your work**. Unsupported answers receive no credit.

1. If the quantity of a substance decreases by 4% in 10 hours, find its half-life.

2. A radioactive substance has a half-life of 8 years. If 200 grams are present initially, how much remains at the end of 12 years?