

Quiz 3

MATH 139-01 and -02
Thursday, September 11, 2003

1. An air-freshener starts with 30 grams and evaporates. Write an formula for the quantity, Q grams, of air-freshener remaining t days after the start, if the decrease is 11% per day.
2. Solve $50 = 10 \cdot 3^t$ for t .
3. Write $P(t) = 174(0.9)^t$ in the form $P(t) = P_0e^{kt}$.