

QUIZ 7

- Show all your work and indicate your final answer clearly. You will be graded not merely on the final answer, but also on the work leading up to it.

1. (4 points) What is the doubling time of an investment with a fixed 4% interest rate?

2. (3 points) Evaluate $\lim_{x \rightarrow 0} (1 - 3x)^{1/x}$.

3. (3 points) Evaluate $\lim_{x \rightarrow 0} \frac{x}{\arcsin(2x)}$.