Name _____

Homework 4
section 1.4

1. (7) Solve for t in terms of a, b and c : $a^t = bc^t$.

2. (6) If a financial investment doubles in 18 years, how long will it take for the investment to triple? (assume that the rate of increase in constant each year)

3. (7) A sample of a radioactive substance is unearthed in the desert. After 10 years, 40% of the substance has decayed. What percentage of the original substance remains after 25 years?