C12 - 8.6 - Word Problem Notes

How long to earn $2000 on $50000 at 8%/year?

How long to double your money at 5%/year?

How long to grow $100 to $2000 compounded semi-annually at 6%?

An earthquake of magnitude 7 is 300 times as intense as an earth quake of what magnitude?

How long to grow 500 Bacteria to 10000 at a continuous growth rate of 0.07?

Find the half-life of a substance decaying to 15% of its original in 80 years?

A substance has a half-life of 8 years. How long to be twenty percent of its original?