No notes, books, cellular devices or graphing calculators are to be used.

1. (5.1 #11) At the beginning of 1990, 20.2 million people lived in the metropolitan area of Mexico City and the population was growing exponentially. The 1995 population was 23 million. If this trend continued, how large was the population in 2010?
2. (5.2 #11) How many years are required for an investment to double in value if it is appreciating at the rate of 4% compounded continuously?