

**Bellwork Friday, May 2, 2014**

1. Tuition at a private college in 1990 was \$15,000. Tuition has increased 7.2% each year. Round each answer to the nearest cent.

a) Find the tuition in 2014.

b) Find the tuition in 1985.

3. The half-life of a certain medication is 40 minutes. If you take a 150mg dose at 9:00pm how much will there be in your system at 6:00 am the next day? Round to the nearest tenth.

2. The number of a certain bacteria doubles every 15 minutes. If there are 20 bacteria on your kitchen counter at 7:00am how many will there be when come home at 4:00pm? Round to the nearest whole number.

4. The number of land-lines in a part of the country has been decreasing 21.2% each year. There were 45,000 land-lines in 2003. Round answers to the nearest whole number.

a) How many land-lines were there in 1999?

b) How many land-lines will there be in 2014?