**What’s the Exponent?**

Unit Conversion for Exponent Practice

1.) A bank account value increases with an annual rate of 4%. What would the exponent in our equation be if we wanted to know how much money was in the account after:

12 Years: \_\_\_\_\_\_\_\_\_\_ 365 Days: \_\_\_\_\_\_\_\_\_\_ 8 Months: \_\_\_\_\_\_\_\_\_\_

2.) The number of cell phone subscribers increases by 75% every year after 1985. What would the exponent be if we wanted to know how many subscribers would there be in:

1988: \_\_\_\_\_\_\_\_\_\_ 2000: \_\_\_\_\_\_\_\_\_\_ 2150: \_\_\_\_\_\_\_\_\_\_

3.) If bacteria can double every hour, what would our exponent be if we wanted to know how much bacteria there would be after:

8 Hours: \_\_\_\_\_\_\_\_\_\_ 2 Days: \_\_\_\_\_\_\_\_\_\_ 1 Year: \_\_\_\_\_\_\_\_\_\_

4.) If something decreases by 29% per hour, what would our exponent be if we wanted to know how much was left after:

4 Hours: \_\_\_\_\_\_\_\_\_\_ 10 Mins.: \_\_\_\_\_\_\_\_\_\_ 30 Sec.: \_\_\_\_\_\_\_\_\_\_

1.) A bank account value increases with a monthly rate of 2%. What would the exponent in our equation be if we wanted to know how much money was in the account after:

2 Years: \_\_\_\_\_\_\_\_\_\_ 365 Days: \_\_\_\_\_\_\_\_\_\_ 7 Months: \_\_\_\_\_\_\_\_\_\_