**What about the Exponent?**

y = a • bx \_\_\_ usually represents \_\_\_\_\_\_\_.

In order to find the correct exponent value;

Step 1.) Identify the Growth or Decay \_\_\_\_\_\_\_.

Step 2.) Apply to the \_\_\_\_\_\_\_\_\_\_ (x).

**Example:**

Something increases at a rate of 25% per year.

Growth/Decay Units? \_\_\_\_\_\_\_\_

So after 4 years, how much has it grown?

What would our exponent (x) be? \_\_\_\_\_

After 6 months, how much has it grown?

What would our exponent (x) be? \_\_\_\_\_

**Sometimes we have to convert the question into the units**

**in the original problem.**

**Unit Conversions**:

Growth/Decay Units: \_\_\_\_\_\_ Growth/Decay Units: \_\_\_\_\_

Exponent Value if: Exponent Value if:

4 years: \_\_\_\_\_ 4 years: \_\_\_\_\_

8 months: \_\_\_\_\_ 6 months: \_\_\_\_\_

18 months: \_\_\_\_\_

Growth/Decay Units: \_\_\_\_\_ Growth/Decay Units: \_\_\_\_\_

Exponent Value if: Exponent Value if:

8 days: \_\_\_\_\_ 2 days: \_\_\_\_\_

2 years: \_\_\_\_\_ 27 mins: \_\_\_\_\_