

## Week 2 - Exponent Review

### Assignment Text

This week's assignments will use exponents. Exponents are notation for repeated multiplications. For example:

$$2^5 = 2 \cdot 2 \cdot 2 \cdot 2 \cdot 2 = 32$$

$$1.04 = 1.04 \cdot 1.04 \cdot 1.04 = 1.124864$$

That last one takes a while to type on a calculator. There is an exponent key on the calculator app on your tablet.

1. What were some issues you faced with your math classes this week?
2. What were some successes in your math classes this week?
3. Use your calculator to compute the following. Round your answers for 3 and 4 to five decimal places.
  - a.  $5^3$
  - b.  $7^4$
  - c.  $1.2^5$
  - d.  $1.06^{12}$

### Answer Key

- a. 125
- b. 2401
- c. 2.48832
- d. 2.01220

### Student Feedback Templates

#1 should be 125 ( $5^3 = 5 \cdot 5 \cdot 5 = 125$ )

#2 should be 2401 ( $7^4 = 7 \cdot 7 \cdot 7 \cdot 7 = 2401$ )

#3 should be 2.48832 ( $1.2^5 = 1.2 \cdot 1.2 \cdot 1.2 \cdot 1.2 \cdot 1.2 = 2.48832$ . No rounding is required.)

#4 should be 2.01220 (Use a calculator for this one  $1.06^{12} = 2.012196471835550329409536$ . Round to five decimal places by looking at the 6 next to the 9 (2.012196...). Because 6 is five or higher, round the 9 up to "10" by rounding the 19 up to 20.)