## Welcome Back!

## You have 3 min to complete Opening Checklist.

Do Now (10 points) - Copy the Objective and define the Word of the Day.
obj: IWBAT multiply powers and raise powers to a
word of Power.
the Day Power: the part of a term that is the base and its \& Defn: exponent

Skill Review (10 points) - Show ALL work necessary.
Expand the power (write as multiplication).
$\begin{array}{lll}\text { 1) } 6^{2} & \text { 2) } 7^{4} & \text { 3) } 5^{5} x^{3}\end{array}$
Write the multiplication as an exponent.
4) $y \cdot y \cdot y \cdot y \cdot y \quad$ 5) $7 \cdot 7 \cdot 7 \cdot w \cdot w$

## Grading Tracker

| Dase | Secton |  | cwo | ETV6 | \% | T\% |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| ${ }^{3}$ Come to tutoring toget your Test \%. |  |  |  |  |  |  |
| ${ }^{4}$ Answer these questions on the back: |  |  |  |  |  |  |
|  | at is 1 | action that helped your g | ade o | his | st? | hy? |

What is 1 action that hurt your grade on this test? Why?

- Write the date from your graded Path to Success.
- Write the section from your graded Path to Success.
- Write the topic from the whiteboard.
- Write the \% you earned overall for this classwork.
- Write the \% you earned on your exit ticket.
- The Q\% and T\% columns will wait.
- Keep your Grading Tracker and your graded Path to Success in your folder.


## Exponent Properties

Your Name
Vocabulary

Product of Powers

## Power of a Power

## Quotient of Powers

## Zero and Negative Exponents

exponent: Little \# to the top right of the base; tells how many times to multiply the base by itself
coefficient: Big \# to the left of the whole power; numerical factor of the term

Vocabulary

Product of Powers

Power of a Power

Quotient of Powers

Zero \& Negative Exponents



Practice (30 points)

Complete the problems on the back of your PtS.
**Ask your group for help before you ask me.
**Level 1 or 2 voice.
When you finish, SHOW ME to get your computer to work on IXL.

## Exit Ticket

- SILENTLY (Level 0) and INDEPENDENTLY answer these questions on the bottom of the front of your Path to Success.
- You don't need to copy the questions, just write the numbers and your answers.

Simplify.

1) $7 u^{2} v^{5} \cdot 9 u v^{3} \quad$ 2) $\left(4 a^{3}\right)^{2}$
