

6.5A Exploring Properties of Exponential Functions

First we will start with a Quiz



we will take up in 10 min



When you are finished the Quiz start Hand out:
Exploring the Properties of Exponential Functions

3M Quiz 6.1-6.4

Name: _____

1. Simplify (Express answers with positive exponents)

a) $b \cdot b^3 \cdot b^4$ b) $(m^5)^3$ c) $m^{-5} \cdot m^2$
d) $(m^3n^2)(m^5n^6)^2$ e) $m^7 \div m^{-4}$ f) $\left(\frac{a^2b^{-4}}{a^5b^2}\right)^2$

2. Evaluate (no decimals)

a) -3^4 b) $(-6)^2$ c) 4^0
d) 6^{-2} e) 2^{-4} f) $36^{\frac{1}{2}}$
g) $3^0 - 3^{-2}$ h) $5^{-2} - 2^{-3}$ i) $64^{\frac{2}{3}}$