Practice worksheet | Exponential relationships

Integer and fractional index laws

Name: _____ Date: _____

6 questions | 13 marks

1. Simplify x^4x^6. [2 marks]

2. Simplify a^8/a^3, $a \neq 0$. [2 marks]

3. Simplify $(m^3)^4$. [2 marks]

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4. Evaluate 5^{-2}. [2 marks]

5. Evaluate $81^{3/4}$. [2 marks]

6. Simplify $\frac{p^{-2}p^5}{p^4}$ for $p \neq 0$, using positive indices. [3 marks]