Practice worksheet | Exponential relationships

Integer and fractional index laws

Name: _____ Date: _____

6 questions | 13 marks

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

2. Simplify $\frac{a^8}{a^3}$, $a \neq 0$. [2 marks]

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

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

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

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