Practice worksheet | Exponential relationships

Logarithms as inverses

Name: _____ Date: _____

6 questions | 14 marks

1. Evaluate $\log_2 16$. [2 marks]

2. Evaluate $\log_7 1$. [2 marks]

3. Evaluate $\log_{10} 100000$. [2 marks]

4. Write $4^{-2} = \frac{1}{16}$ in logarithmic form. [2 marks]

5. Give the real domain of $\log_3(x-4)$. [3 marks]

6. Explain why $\log_2 0$ is undefined as a real number. [3 marks]