Practice worksheet | Logarithmic functions

Exponential/logarithmic inverse relationship

Name: _____ Date: _____

6 questions | 13 marks

1. Evaluate $\log_3 81$. [2 marks]

2. Evaluate $\log_2 (\frac{1}{16})$. [2 marks]

3. Write $7^{-1} = \frac{1}{7}$ as a logarithmic statement. [2 marks]

4. Solve $\log_4 x = \frac{3}{2}$. [2 marks]

5. Find the real domain of $g(x) = \log_2 (x + 5)$. [2 marks]

6. Find the inverse of $h(x) = 5^{2x}$ and its domain. [3 marks]