Practice worksheet | Exponentials and logarithms

# Meaning of a logarithm

Name: _____ Date: _____

6 questions | 14 marks

**1.** Evaluate $\log_2 32$. [2 marks]

**2.** Evaluate $\log 0.001$. [2 marks]

**3.** Write $7^2 = 49$ as a logarithmic statement. [2 marks]

**4.** Evaluate $10^{\log 7}$. [2 marks]

**5.** Explain why $\log 0$ is not a real number. [3 marks]

**6.** If $\log N = 4.2$, between which consecutive powers of ten does $N$ lie? [3 marks]