

Name : _____ Score : _____

Teacher : _____ Date : _____

Exponential Functions

Evaluate each function at the given value. Round to the nearest hundredth if needed.

1) $g(n) = 3 \cdot \left(\frac{7}{6}\right)^n$ at $n = -3$

8) $h(n) = \frac{1}{2} \cdot \left(\frac{1}{3}\right)^n$ at $n = -2$

2) $h(x) = 9 \cdot \left(\frac{1}{2}\right)^x$ at $x = 3$

9) $g(y) = \frac{2}{7} \cdot 2^y$ at $y = 2$

3) $f(n) = \frac{4}{7} \cdot \left(\frac{1}{2}\right)^n$ at $n = -3$

10) $f(y) = \frac{3}{2} \cdot 2^y$ at $y = -2$

4) $h(n) = \frac{1}{7} \cdot 2^n$ at $n = 2$

11) $f(x) = 4 \cdot 2^x$ at $x = -2$

5) $g(y) = \frac{9}{3} \cdot \left(\frac{1}{2}\right)^y$ at $y = 2$

12) $h(y) = \frac{1}{2} \cdot \left(\frac{1}{3}\right)^y$ at $y = 3$

6) $h(x) = 5 \cdot 2^x$ at $x = 3$

13) $g(y) = \frac{1}{2} \cdot \left(\frac{2}{3}\right)^y$ at $y = -2$

7) $f(x) = 3 \cdot \left(\frac{5}{7}\right)^x$ at $x = 3$

14) $g(y) = 8 \cdot \left(\frac{1}{2}\right)^y$ at $y = -2$

