

Math Sheet

Name _____ Score _____ / 14 Teacher _____ Date _____

Evaluate Exponential Functions

Substitute and keep the exact rational value.

1. $f(x) = 2 \cdot 1^x; f(1)$

2. $f(x) = \frac{1}{3} \cdot 1^x; f(-2)$

3. $f(x) = 3 \cdot \left(\frac{2}{3}\right)^x; f(3)$

4. $f(x) = \frac{8}{5} \cdot 1^x; f(-4)$

5. $f(x) = 1 \cdot \left(\frac{3}{5}\right)^x; f(1)$

6. $f(x) = 3 \cdot \left(\frac{7}{4}\right)^x; f(-2)$

7. $f(x) = 3 \cdot 1^x; f(3)$

8. $f(x) = 1 \cdot 2^x; f(-4)$

9. $f(x) = \frac{1}{3} \cdot \left(\frac{5}{3}\right)^x; f(1)$

10. $f(x) = 7 \cdot 2^x; f(-2)$

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Evaluate Exponential Functions

Substitute and keep the exact rational value.

11. $f(x) = \frac{8}{5} \cdot 2^x; f(3)$

12. $f(x) = \frac{7}{4} \cdot \left(\frac{2}{5}\right)^x; f(-4)$

13. $f(x) = \frac{7}{2} \cdot \left(\frac{6}{5}\right)^x; f(1)$

14. $f(x) = \frac{3}{2} \cdot 3^x; f(-2)$
