

Name _____ Date _____

Quiz: Evaluating Rational (Fractional) Exponents

1 Find the value of $\{60^{1/6}\}^{1/6}$

2 Simplify $\sqrt[4]{22^{1/3}}$

3 If $f(x) = x^{2/7} + x^{7/3}$, find $f(46)$

4 Simplify $\sqrt[7]{35^{1/2}}$

5 Simplify $\{4\}^{1/2}$

6 Find the value of $\{30^{1/2}\}^{1/7}$

7 Simplify $\sqrt[4]{6^{1/3}}$

8 If $f(x) = x^{3/4} + x^{4/3}$, find $f(20)$

9 Simplify $\sqrt[7]{14^{1/2}}$

10 Simplify $\{7\}^{1/7}$

Circle # Correct	0	1	2	3	4	5	6	7	8	9	10
Percentage Score	0%	10%	20%	30%	40%	50%	60%	70%	80%	90%	100%