

Name _____ Date _____

Quiz: Exponential Expressions and Equations

1 Solve for x: $100^{10x-8} = 100^{16x+10}$

2 Solve for x : $25^{12x+6} = 125^{6x}$

3 Solve for x: $9^{12x} = 81^{4x-16}$

4 Solve for x: $1000^x = 500$

5 Solve for z: $(1/12)^z = 8$

6 Solve for x: $12^{-6x+12} = 72$

7 Solve for x: $12^x = 1/144$

8 Solve for t: $8e^{12t} = 48$

9 Solve for x: $e^{4x+10} = 100$

10 Solve for x: $19^{-3x+6} = 38$

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%