

**Solving Exponential Equations**

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*Solve for each variable.*

1)  $30,000 = 15,000e^{5t}$

Name: \_\_\_\_\_

Period: \_\_\_\_\_

2)  $4,000 = 200(2)^{1.5g}$

3)  $4,000 = 500e^{1.06k}$

4)  $0.5 = 30\left(\frac{1}{2}\right)^{0.00025t}$

1) 0.138629

2) 2.88129

3) 1.96174

4) 23628

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