


4.4 Equations of Exponential Functions

Study 4.4 # 5 - 11, 17, 19,
27, 28,

Study 4.5 # 9, 13, 21

 http://www.battaly.com/collegealgebra/geogebra/exponential_function/

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4.4 Equations of Exponential Functions

Solving $a^b = c$ for b n odd

$$b^5 = 100000$$

 n even

$$b^2 = 100$$

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4.4 Equations of Exponential Functions

$$\frac{b^9}{b^7} = \frac{4}{9}$$

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4.4 Equations of Exponential Functions

$$\frac{1}{6} b^4 + \frac{5}{3} = \frac{91}{6}$$

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4.4 Equations of Exponential Functions

$$f(x) = a b^x \quad (0, 3) \quad (2, 300)$$

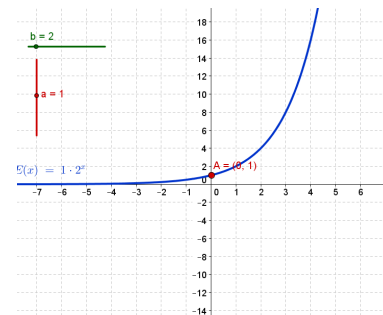
$$3 = a b^0 = a$$

$$f(x) = 3 b^x$$

$$300 = 3 b^2$$

$$b^2 =$$

$$b =$$



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4.5 Applications of Exponential Functions

$f(x) = a b^x$ Interest Problems

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4.5 Applications of Exponential Functions

$$f(x) = a b^x \quad \text{Growth/Decay}$$

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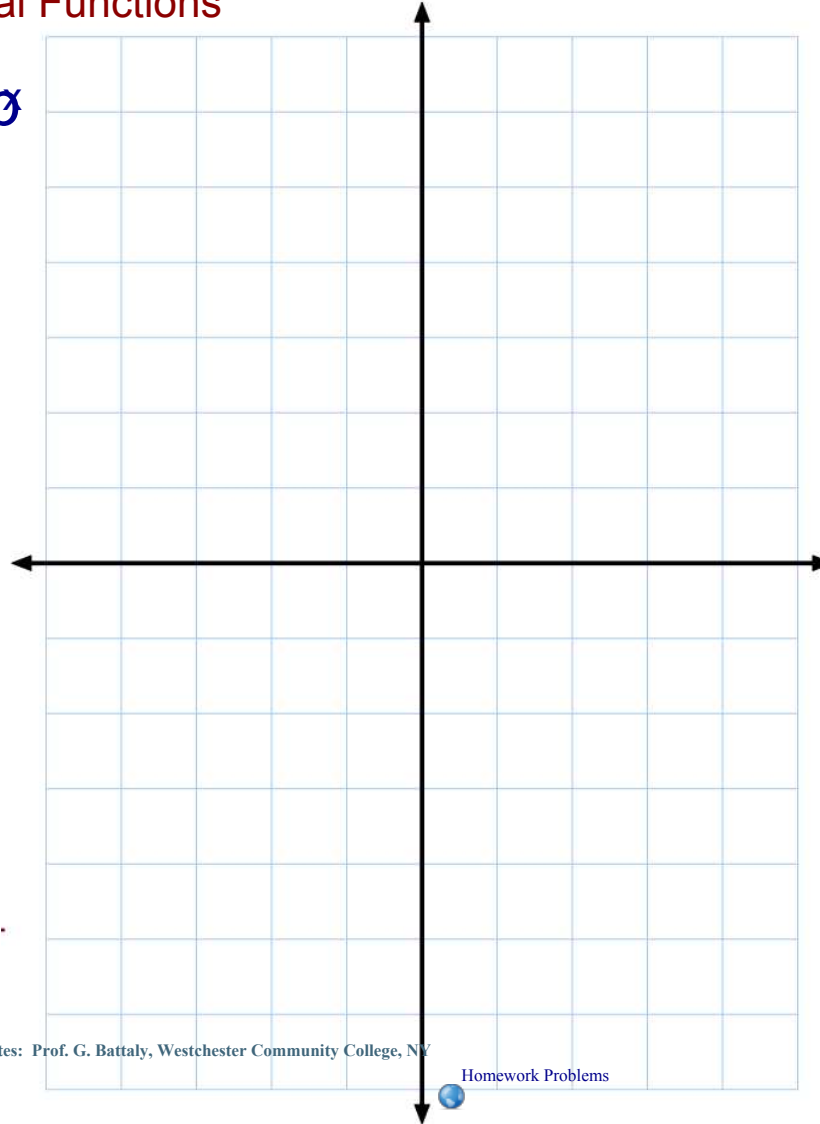
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4.3 Exponential Functions

$$f(x) = a b^x$$



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