

Unit 4: Modeling & Analyzing Exponential Functions

Day 11: Evaluating Exponential Functions

Show ALL work.

A) Evaluate each function at the specified value.

1)  $f(x) = 4 \cdot 5^{(8+x)}$  ;  $x = -6$

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2)  $f(x) = 9^{(x-7)} - x$  ;  $x = 8$

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B) Evaluate each function.

1)  $f(x) = (-8)^{(-3+x)}$  ; find  $f(4)$

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2)  $f(x) = 10 \cdot 4^{-x} - 11$  ; find  $f(-2)$

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