

Evaluating Exponential Functions

A) Evaluate each function at the specified value.

1) $f(x) = (-11)^{(x-8)} \cdot (x+5); x = 9$

2) $f(x) = 7^{(-2x+12)} - 12; x = 6$

3)

Preview

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B)

1)

3) If $f(x) = 9^{(x-7)} - x$, find $f(8)$.

4) If $f(x) = (6-x)^{(-8-x)}$, find $f(-10)$.

C) What is the value of $f(-13)$ if $f(x) = 6 \cdot 4^{(15+x)}$?

i) -69

ii) 96

iii) 69

iv) -96