

# Evaluating Exponential Functions

A) Evaluate each function at the specified value.

1)  $f(x) = 3 \cdot 5^{(7+x)}$ ;  $x = -6$

2)  $f(x) = (-9)^{(-3+x)}$ ;  $x = 4$

3)

# Preview

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B)

1)

3) If  $f(x) = -5 \cdot 5^{(4-x)}$ , find  $f(3)$ .

4) If  $f(x) = 10 - 2^x$ , find  $f(5)$ .

C) What is the value of  $f(7)$  if  $f(x) = 4^{(8-x)} - 12$ ?

i) 18

ii) 8

iii) -8

iv) 9