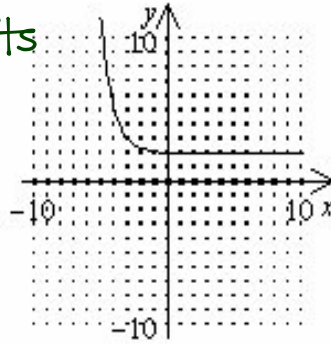


AP Calc Summer Assignment - Exponential and Logarithmic Functions
Exponential Functions AM Objective #2: Graph exponential functions

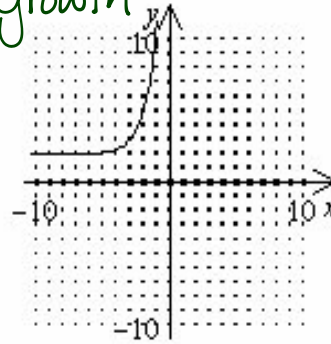
1. Graph: $f(x) = \left(\frac{1}{3}\right)^{x-3} - 2$

$b = \frac{1}{3} < 1 \Rightarrow$ exponential decay
 $(x-3) \Rightarrow$ shifted 3 units right
 $-2 \Rightarrow$ shifted 2 units down
NO reflections

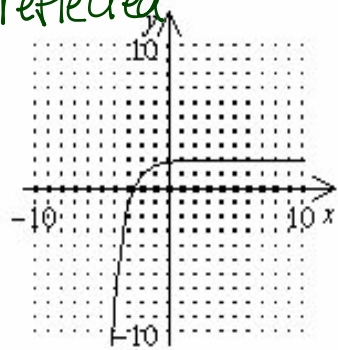
up 2 units



growth



reflected



[D] none of these