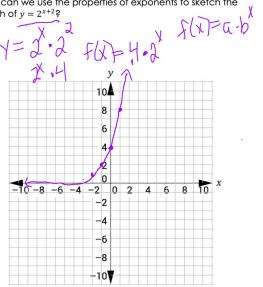
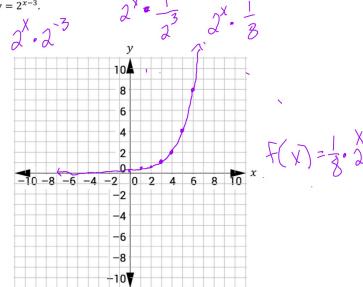
Sometimes we can use the properties of exponents to easily sketch exponential functions.

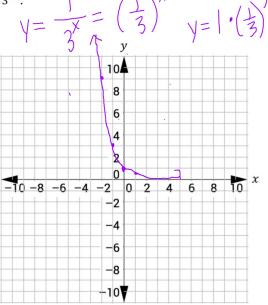
How can we use the properties of exponents to sketch the graph of $y = 2^{x+2}$?



2. Use the properties of exponents to sketch the graph of



1. Use the properties of exponents to sketch the graph of $y = 3^{-x}$.



BEAT THE TEST!

1. The graph that represents the function $f(x) = -3 \cdot 2^x$ has

a y-intercept of (0,-3). The graph is 0 increasing

0(0,2).

decreasing

by a common ratio of 2, is decreasing as

x increases, o x decreases,

and approaches 0 as

o x increases. x decreases.

2. Which of the following have the same graphic representation as the function $f(x) = 8 \cdot 2^x$? Select all that apply.