

- Make a table of values for the function $f(x) = \left(\frac{1}{2}\right)^x = 2^{-x}$. Then sketch the graph.

BEFORE WE EVEN START, NOTICE THAT

THE GRAPH OF $y = 2^{-x}$ IS A REFLECTION OF

THE GRAPH OF $y = 2^x$ ABOUT THE Y-AXIS.

THIS FOLLOWS FROM OUR TRANSFORMATIONS OF GRAPHS.

