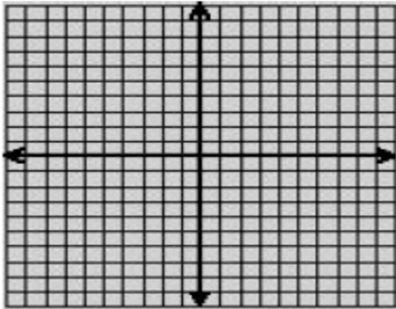


## Worksheet A: Exponential Functions

### Part I:

Using a graphing calculator, graph the function  $f(x) = 2^x$  and sketch the graph on the grid provided below.



1. Is the graph an increasing or decreasing function? Explain your answer.

2. Trace or use the table feature on your calculator to fill out the tables below.

As the value of  $x$  gets very large, what happens to the value of  $2^x$ ?

$x$	$2^x$
0	
1	
5	
10	
20	