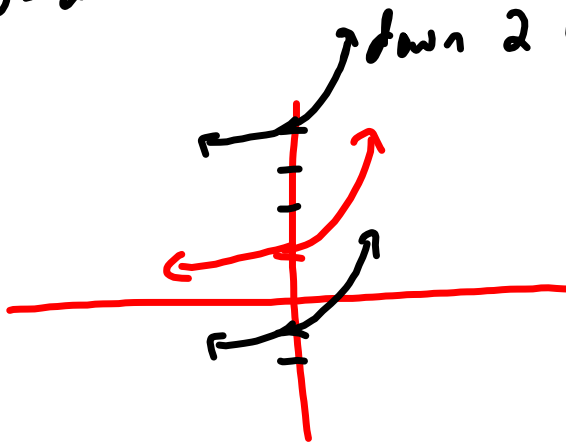


11.2 Exponential fn.'s

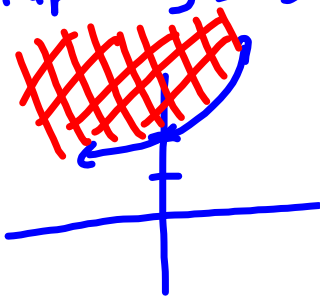
Graph $y = 2^x$ on the same set of axes
 $y = 2^x + 3$ Describe the transformations
of the fn.
 $y = 2^x - 2$

$y = 2^x$ is the parent fn.
 $y = 2^x + 3 \rightarrow$ the parent fn. is translated
up 3 units

$y = 2^x - 2 \rightarrow$ the parent fn. is translated
down 2 units.



Graph $y \geq 3^x + 1$ \leftarrow Translate up 1 unit



\leftarrow solid line because \geq