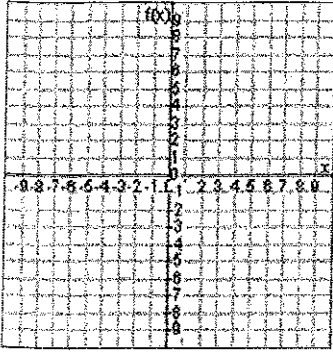


Find the average rate of change over the given intervals of the following function.

28.  $f(x) = \left(\frac{1}{2}\right)^x$  on  $[-4, -2]$

x					
f(x)					

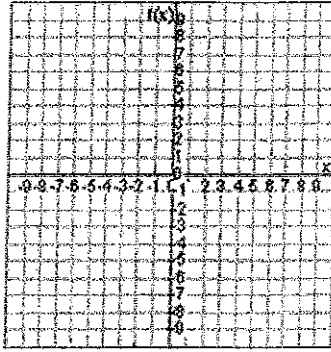


ROC: \_\_\_\_\_

End Behavior:  $\begin{cases} \text{as } x \rightarrow -\infty, f(x) \rightarrow \text{_____} \\ \text{as } x \rightarrow \infty, f(x) \rightarrow \text{_____} \end{cases}$

29.  $f(x) = \left(\frac{1}{2}\right)^x$  on  $[-2, 2]$

x					
f(x)					

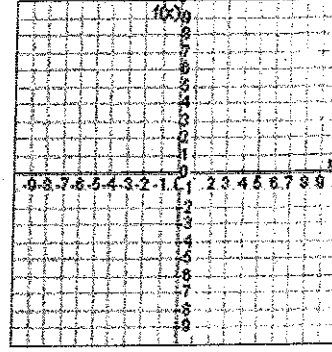


ROC: \_\_\_\_\_

End Behavior:  $\begin{cases} \text{as } x \rightarrow -\infty, f(x) \rightarrow \text{_____} \\ \text{as } x \rightarrow \infty, f(x) \rightarrow \text{_____} \end{cases}$

30.  $f(x) = \left(\frac{1}{2}\right)^x$  on  $[2, 4]$

x					
f(x)					

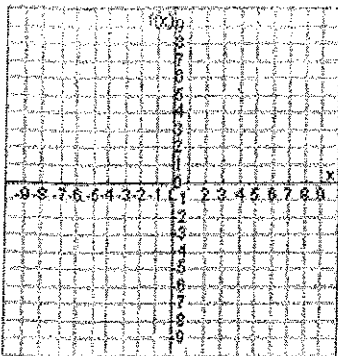


ROC: \_\_\_\_\_

End Behavior:  $\begin{cases} \text{as } x \rightarrow -\infty, f(x) \rightarrow \text{_____} \\ \text{as } x \rightarrow \infty, f(x) \rightarrow \text{_____} \end{cases}$

31.  $f(x) = 2^x$  on  $[-4, -2]$

x					
f(x)					

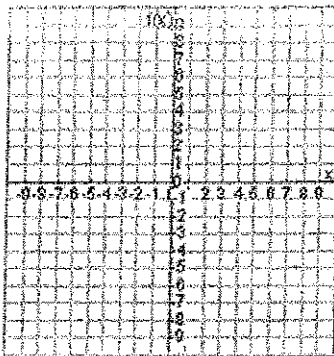


ROC: \_\_\_\_\_

End Behavior:  $\begin{cases} \text{as } x \rightarrow -\infty, f(x) \rightarrow \text{_____} \\ \text{as } x \rightarrow \infty, f(x) \rightarrow \text{_____} \end{cases}$

32.  $f(x) = 2^x$  on  $[0, 2]$

x					
f(x)					

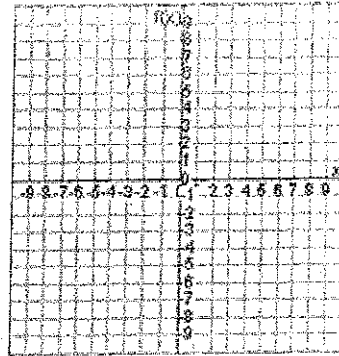


ROC: \_\_\_\_\_

End Behavior:  $\begin{cases} \text{as } x \rightarrow -\infty, f(x) \rightarrow \text{_____} \\ \text{as } x \rightarrow \infty, f(x) \rightarrow \text{_____} \end{cases}$

33.  $f(x) = 2^x$  on  $[2, 4]$

x					
f(x)					



ROC: \_\_\_\_\_

End Behavior:  $\begin{cases} \text{as } x \rightarrow -\infty, f(x) \rightarrow \text{_____} \\ \text{as } x \rightarrow \infty, f(x) \rightarrow \text{_____} \end{cases}$