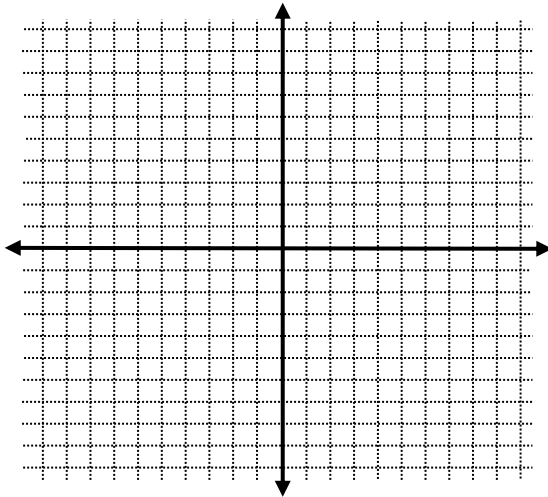


1. $f(x) = 3(2)^x - 5$



Domain: _____ Range: _____

X-intercept: _____ y-intercept: _____

Interval of Increase: _____ Interval of Decrease: _____

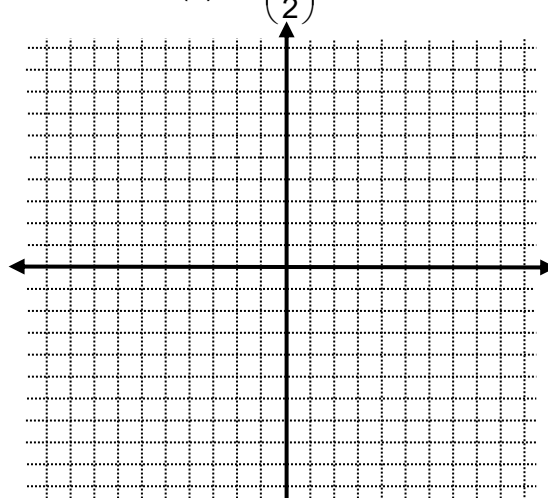
Maximum(s): _____ Minimum(s): _____

Asymptote: _____

End- Behavior: as $x \rightarrow \infty$, $f(x) \rightarrow$ _____
as $x \rightarrow -\infty$, $f(x) \rightarrow$ _____

Find the average rate of change from $x=0$ to $x=2$: _____

2. $f(x) = 3\left(\frac{1}{2}\right)^x - 2$



Domain: _____ Range: _____

X-intercept: _____ y-intercept: _____

Interval of Increase: _____ Interval of Decrease: _____

Maximum(s): _____ Minimum(s): _____

Asymptote: _____

End- Behavior: as $x \rightarrow \infty$, $f(x) \rightarrow$ _____
as $x \rightarrow -\infty$, $f(x) \rightarrow$ _____

Find the average rate of change from $x=-2$ to $x=-1$: _____

3. Find the average rate of change for the following functions on the given interval.

a. $f(x) = \frac{3}{4}(2)^x$, $2 \leq x \leq 5$

b. $f(x) = 2(5)^x$, $1 \leq x \leq 3$

