

**Math Worksheet: Graphs of Functions(1)**

Given function

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

1. Find the domain and range of  $f$
2. Find the horizontal asymptote of the graph of  $f$ .
3. Find the y-intercept and x intercept, if any, of the graph of  $f$ .
4. Sketch the graph of  $f$ .

