Math Worksheet: Graphs of Functions (5)

Given function *f* by

$$f(x) = \frac{2^{x+2} + 4}{4} + 1$$

1. **Find the domain and range of *f*.**

2. **Find the horizontal asymptote of the graph of *f*.**

3. **Find the y and x intercepts, if any, of the graph of *f*.**

4. **Sketch the graph of *f* and label the intercepts and the asymptote**