Each problem is worth 2 points. Clear and complete justification is required for full credit.

Use the graph of \( f(x) \) shown above to answer the following questions:

1. What is \( f(-2) \)?
   \[ f(-2) \text{ does not exist because there is an empty dot where } f(-2) \text{ should be.} \]

2. What is \( \lim_{x \to -2} f(x) \)?
   \[ \lim_{x \to -2} f(x) = 2 \]

3. What is \( f(4) \)?
   \[ f(4) = 1 \]

4. What is \( \lim_{x \to 4} f(x) \)?
   \[ \lim_{x \to 4} f(x) \text{ does not exist. Both sides approach at different heights.} \]

5. What is \( \lim_{x \to 9^-} f(x) \)?
   \[ \lim_{x \to 9^-} f(x) = 1 \]