(a) Use the graph of \( f(x) \) below to answer the following questions.

1. What is the domain of \( f(x) \)?
   \[ \text{x-values under graph} = [-5,5] \]

2. What is the range of \( f(x) \)?
   \[ \text{y-values from graph} = [0,3] \]
   \( \text{(also accept} \ [0,3]) \)

3. On what intervals is \( f(x) \) increasing?
   \( \text{graph goes up moves left to right} \)
   \( \text{for} \ x \in (-5,-1) \cup (0,1) \)

4. On what intervals is \( f(x) \) decreasing?
   \( \text{graph goes down moves left to right} \)
   \( \text{for} \ x \in (1,5) \cup (0,1) \)

5. Is \( f(x) \) and even or odd function? Explain.
   \( \text{Even} - \text{the y-values at} \ x \text{ and} \ -x \)
   \( \text{are the same} \ (f(x) = f(-x)) \). The graph
   \( \text{has symmetry about the y-axis.} \)