Example

Consider the function $y = f(x)$ given in the following graph.

1. Enter the interval(s) on which the function is decreasing.

   **ANSWER:** $(-\infty, 0)$
   The function decreases until $x = 0$.

2. Enter the interval(s) on which the function is increasing.

   **ANSWER:** $(0, \infty)$
   The function continues to increase after $x = 0$.

3. Enter the interval(s) on which the function is constant.

   **ANSWER:** none
   The function only increases and decreases. There are no intervals on which it is constant.