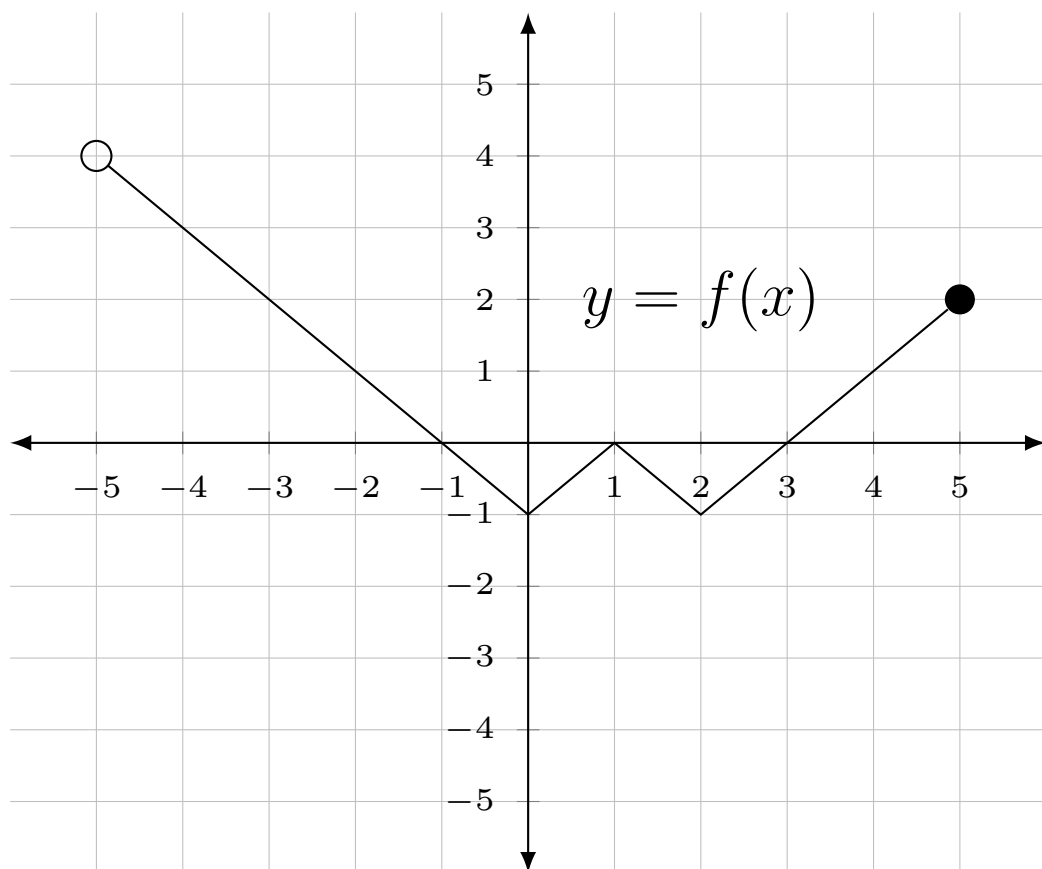


## Math-19 Homework #7

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### Problems

Use the graph of  $y = f(x)$  to answer the following questions:



- 1). What is  $f(2)$ ?
- 2). What is the y-intercept?
- 3). For what values of  $x$  is  $f(x) = 0$ ?

- 4). What is the domain of  $f$ , in interval notation?
- 5). What is the range of  $f$ , in interval notation?
- 6). On what intervals is  $f$  increasing?
- 7). On what intervals is  $f$  decreasing?
- 8). What are the local minima (if any)?
- 9). What are the local maxima (if any)?
- 10). What is the absolute maximum (if any)?