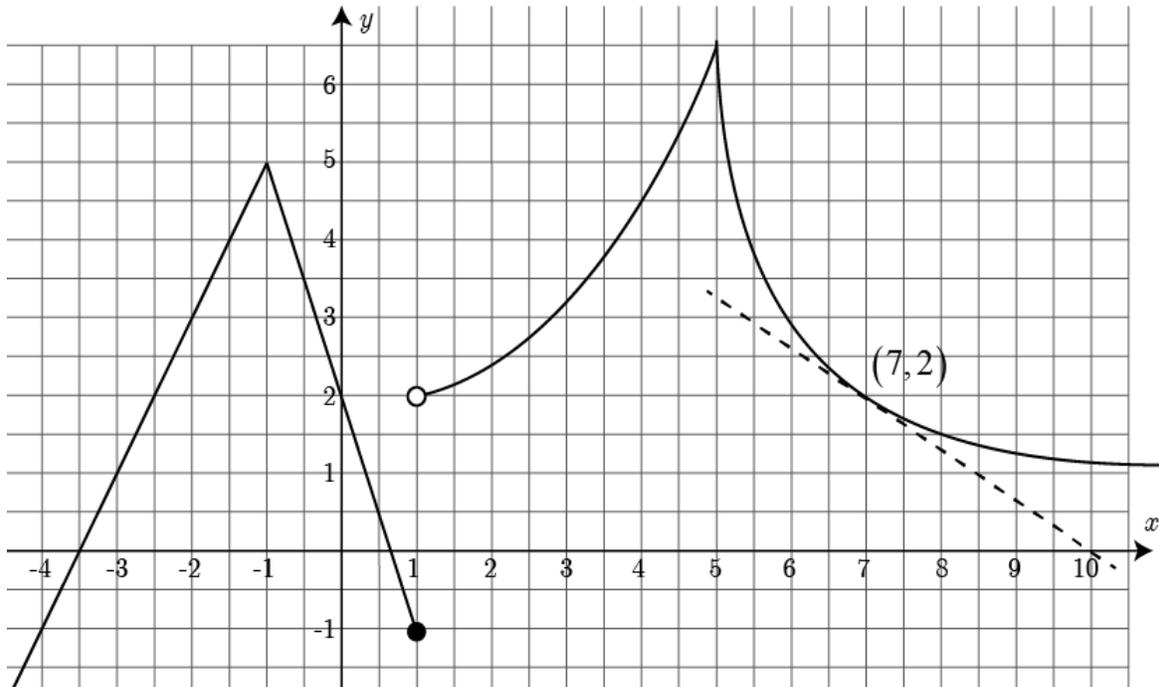


1. The graph of  $y = f(x)$  is shown below, and the tangent line at  $x = 7$  is indicated.



- Find  $f'(-2)$ ,  $f'(0)$ , and  $f'(7)$ .
  - For which values of  $x$  is  $f(x)$  not continuous?
  - For which values of  $x$  is  $f(x)$  not differentiable?
2. Let  $g(x) = |x^2 + 2x - 15|$ . Find all points where  $g(x)$  is not differentiable.