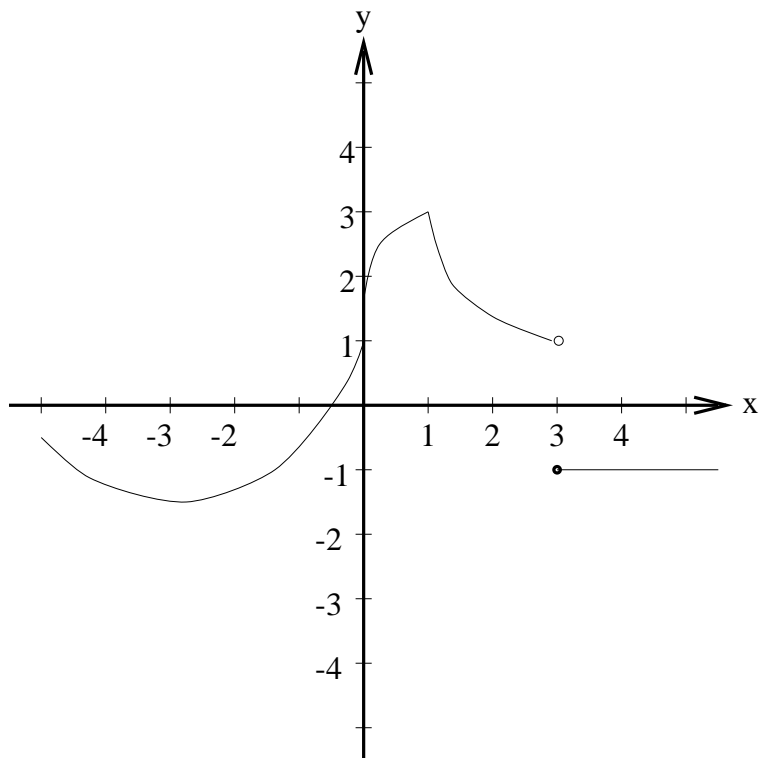


9. (8 pts.) The graph of the function  $f$  for  $-5 \leq x \leq 5$  is shown in the figure below.



(a) At which point(s),  $x$ , if any, does  $f$  fail to be continuous? Explain why.

(b) At which point(s),  $x$ , if any, does  $f$  fail to be differentiable? Explain why.