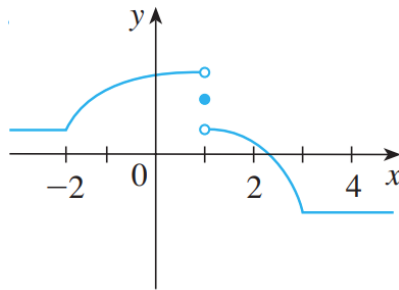# Exercise 44

The graph of f is given. State, with reasons, the numbers at which f is *not* differentiable.

Solution

The derivative is undefined at $x = -2$ and $x = 3$ because of the kinks in the graph. It's also undefined at $x = 1$ because of the discontinuity.