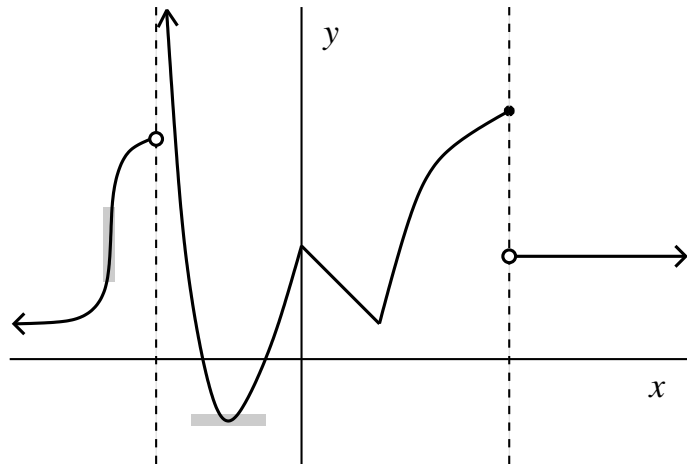Problem statement Below is a graph of $y = f(x)$. Label any points on the graph which occur in your discussion of the questions below.

a) Where is f not continuous? Why?

b) Where is f not differentiable? Why?

c) Sketch a graph of $y = f'(x)$ wherever f' is defined.