

Solutions

Each answer shows the steps, then the **result**.

2.1

- differentiable at $a \Rightarrow$ continuous at a

2.2

- no (continuity does not imply differentiability)

2.3

- $f(x) = |x|$ at $x = 0$ (a corner)

3.1 B

3.2 B

3.3

(a)

- a corner

(b)

- a vertical tangent

(c)

- no