

Solutions

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

2.1

- $f(a)$ is defined; the limit exists; the limit equals $f(a)$

2.2

- $\lim_{x \rightarrow a} f(x) = f(a)$

2.3

- yes — the limit exists, $f(2)$ is defined, and they are equal

3.1 B

3.2 B

3.3

(a)

- yes

(b)

- yes

(c)

- yes