

Solutions

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

2.1

- define $f(a)$ to equal the limit $\lim_{x \rightarrow a} f(x)$

2.2

- the limit is 4, so set $f(2) = 4$

2.3

- a removable discontinuity (a hole)

3.1 B

3.2 C

3.3

(a)

- $x + 3$ (for $x \neq 3$)

(b)

- 6

(c)

- $f(3) = 6$