

Solutions

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

2.1

- tabulate $f(x)$ for x near a and see what value the outputs approach

2.2

- the values approach 4, so $\lim_{x \rightarrow 2} f(x) \approx 4$

2.3

- to confirm the left- and right-hand limits agree

3.1 B

3.2 B

3.3

(a)

- approaching 6

(b)

- approaching 6

(c)

- 6