

Solutions

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

2.1

- a function continuous on a closed interval attains a global max and min

2.2

- a point where $f' = 0$ or f' does not exist

2.3

- $f'(x) = 2x - 4 = 0$, so $x = 2$

3.1 B

3.2 B

3.3

(a)

- $2x - 6$

(b)

- $2x - 6 = 0$

(c)

- $x = 3$