

Solutions

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

2.1

- where $f'' > 0$

2.2

- $f''(x) = 6x$; concave up for $x > 0$

2.3

- a point where concavity changes (from up to down or vice versa)

3.1 B

3.2 B

3.3

(a)

- $6x$

(b)

- $x > 0$

(c)

- $x = 0$