

Solutions

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

2.1

- $\frac{d}{dx}[f + g] = f' + g'$

2.2

- $6x$

2.3

- $3x^2 + 1$

3.1 B

3.2 B

3.3

(a)

- $12x^2$

(b)

- -2

(c)

- $y' = 12x^2 - 2$