

Solutions

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

2.1

- $\frac{d}{dx}[x^n] = n x^{n-1}$

2.2

- $5x^4$

2.3

- $\frac{d}{dx}[x^2] = 2x; \frac{d}{dx}[x] = 1$

3.1 B

3.2 A

3.3

(a)

- $6x^5$

(b)

- 1

(c)

- 0