

Solutions

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

2.1

- $\cos x$

2.2

- e^x

2.3

- $\frac{d}{dx}[\cos x] = -\sin x; \frac{d}{dx}[\ln x] = \frac{1}{x}$

3.1 B

3.2 B

3.3

(a)

- $\cos x$

(b)

- e^x

(c)

- $-\sin x$