

Solutions

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

2.1

- $\sec x = 1/\cos x$

2.2

- $\csc x = 1/\sin x$

2.3

- $\sec 0 = 1; \csc \frac{\pi}{2} = 1$

3.1 B

3.2 B

3.3

(a)

- 1

(b)

- 1

(c)

- where $\sin x = 0$ (i.e. $x = n\pi$)