

## Solutions

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

### 2.1

- $\sin^2 x + \cos^2 x = 1$

### 2.2

- $\sin^2 x$

### 2.3

- $\sin(-x) = -\sin x$

### 3.1 B

### 3.2 B

### 3.3

(a)

- $\frac{9}{25}$

(b)

- $1 - \frac{9}{25} = \frac{16}{25}$

(c)

- $\frac{4}{5}$  (or  $-\frac{4}{5}$ )