

Solutions

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

2.1

- $x = r \cos \theta$

2.2

- $r = \sqrt{x^2 + y^2}$

2.3

- $x = 2 \cos 0 = 2$; $y = 2 \sin 0 = 0$; point $(2, 0)$

3.1 B

3.2 B

3.3

(a)

- $x = 4 \cos \frac{\pi}{2} = 0$

(b)

- $y = 4 \sin \frac{\pi}{2} = 4$

(c)

- $(0, 4)$