

Solutions

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

2.1

- $\frac{r(\theta_2) - r(\theta_1)}{\theta_2 - \theta_1}$

2.2

- the curve spirals outward (moves farther from the origin)

2.3

- $r(0) = 0$; $r(\pi) = 2\pi$

3.1 B

3.2 B

3.3

(a)

- 0

(b)

- 6

(c)

- $\frac{6-0}{2-0} = 3$