

Solutions

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

2.1

- a position vector for each value of t

2.2

- $\vec{r}(3) = \langle 6, 3 \rangle$

2.3

- they carry the same information — the components $x(t)$, $y(t)$ are the parametric equations

3.1 B

3.2 A

3.3

(a)

- $\langle 1, 0 \rangle$

(b)

- $\langle 3, 6 \rangle$

(c)

- $x(t) = t + 1$