

E1

$$\begin{aligned}x &= 1 + 4 \cos t \\ y &= t + 3 \sin t\end{aligned}$$

E2

$$\begin{aligned}x &= 2 \cos t \\ y &= \sin 2t\end{aligned}$$

E3

$$\begin{aligned}x &= t^2 \\ y &= t^3 - 4t\end{aligned}$$

E4

$$\begin{aligned}x &= t^2 + t + 1 \\ y &= 2t^2 - 2\end{aligned}$$

E5

$$\begin{aligned}x &= t^3 - t \\ y &= t^3 - 3t\end{aligned}$$

E6

$$\begin{aligned}x &= 2 + 3 \cos t \\ y &= 4 + 5 \sin t\end{aligned}$$

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$$\begin{aligned}x &= 2 + 3 \cos t \\ y &= 4 + 5 \sin t\end{aligned}$$

(S1)

Stationary point at

$$x = \frac{4}{3}$$

(S2)

Stationary point at

$$x = 2$$

(S3)

Stationary point at

$$x = \sqrt{2}$$

(S4)

Stationary point at

$$x = -\frac{1}{3}$$

(S5)

Stationary point at

$$x = 0$$

(S6)

Stationary point at

$$x = 1$$

(S1)

Stationary point at

$$x = \frac{4}{3}$$

(S2)

Stationary point at

$$x = 2$$

(S3)

Stationary point at

$$x = \sqrt{2}$$

(S4)

Stationary point at

$$x = -\frac{1}{3}$$

(S5)

Stationary point at

$$x = 0$$

(S6)

Stationary point at

$$x = 1$$

V1

Critical point at

$$\left(\frac{3}{4}, -\frac{3}{2}\right)$$

V2

Critical point at

$$(5, 0)$$

V3

Critical point at

$$(2, 0)$$

V4

Critical point at

$$\left(\frac{2}{3\sqrt{3}}, \frac{8}{3\sqrt{3}}\right)$$

V5

Critical point at

$$(5, 4)$$

V6

Critical point at

$$(0, 0)$$

V1

Critical point at

$$\left(\frac{3}{4}, -\frac{3}{2}\right)$$

V2

Critical point at

$$(5, 0)$$

V3

Critical point at

$$(2, 0)$$

V4

Critical point at

$$\left(\frac{2}{3\sqrt{3}}, \frac{8}{3\sqrt{3}}\right)$$

V5

Critical point at

$$(5, 4)$$

V6

Critical point at

$$(0, 0)$$

