Quiz 3

Oct. 18, 2006

1. (8 pts) Find parametric equations for the line segment joining the points (4, 7) and (2, 3).
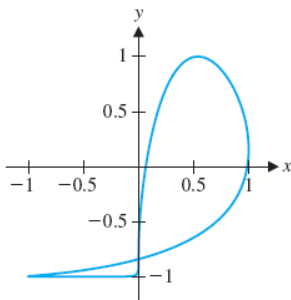
Ans: $\begin{cases} x & = 4 - 2t, \\ y & = 7 - 4t \end{cases}$ $0 \le t \le 1$

2. (6 pts) Which one is not a polar coordinate representation for the rectangular points $(1, \sqrt{3})$.
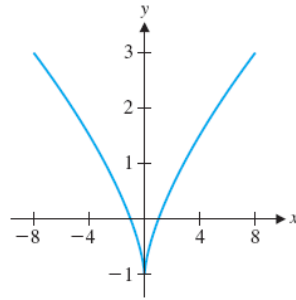
A) $(2, \frac{\pi}{3})$,   B) $(-2, \frac{4\pi}{3})$,   C) $(-2, \frac{\pi}{3})$,   D) $(-2, -\frac{2\pi}{3})$
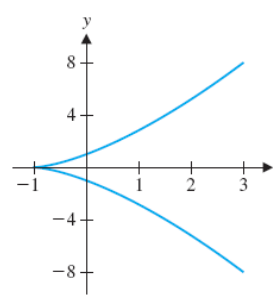
Ans: C

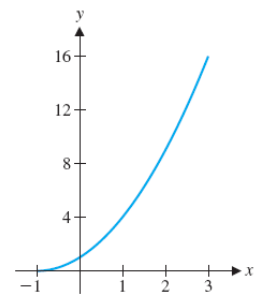3. (6 pts) Which one is the graph of $\begin{cases} x & = t^3, \\ y & = t^2 - 1 \end{cases}$

(A)	(B)	(C)	(D)

Ans: B