Answers (2)

(3)
$$\dot{r}(t) = \langle x(t), y(t), z(t) \rangle = \langle 3t + 21t, t^3 - t, t^3 + t \rangle$$
 $5 = 3 + 21t$
 $0 = t^3 - t$
 $2 = t^3 + t$

$$5 = 3 + 27t$$
 $2 = t^3 + t$

(heck $|3 - 1 = 0|$
 $2 = t^3 + t$

(heck $|3 - 1 = 0|$
 $2 = t^3 + t$

(heck $|3 - 1 = 0|$
 $2 = t^3 + t$

(so, $1 = 1 = t^3 + t^3 +$