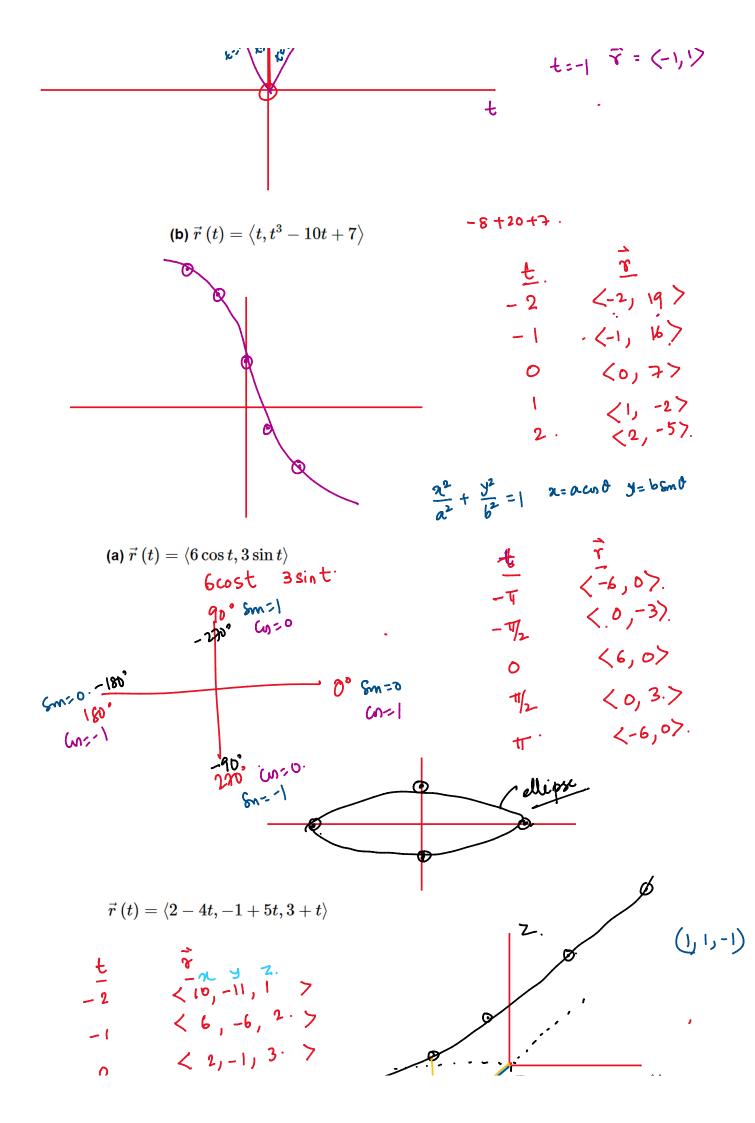
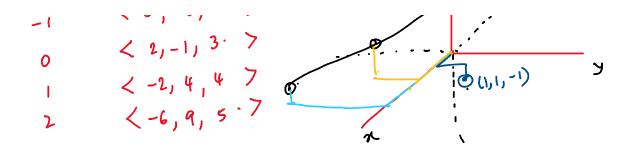


Example 2 Sketch the graph of each of the following vector functions.

 $\frac{t=0}{2}: \quad \hat{r} = \langle 0, 1 \rangle$   $\frac{t=1}{2}: \quad t=1 \quad \hat{r} = \langle 1, 1 \rangle$   $\frac{t=1}{2}: \quad \hat{r} = \langle -1, 1 \rangle$ (a)  $\vec{r}(t) = \langle t, 1 \rangle$ (-1,1) [(o,1) (1,1)





Standard 2D shipes.  
Cercle, triangle, quedrilatorals, bolygons, ellipse, parabola,  
hyperbola.  

$$2^2+y^2=r^2$$
. Circle with center (0,0)  
 $2^2+y^2=r^2$ . Circle with center (0,0)  
 $4^2+y^2=r^2$ .  
 $(\frac{x}{r})^2+(\frac{y}{r})^2=1$   
 $rco0, rcm0$ .  
 $n = rco0$   $y = rsm0$   
 $\frac{n}{r}$ ,  $y$ .  
 $\frac{x}{r} = co0$   $\frac{y}{r} = 8m0$   
 $\frac{n}{r}$ ,  $y$ .  
 $\frac{n}{r} + \frac{y^2}{b^2} = 1$   
 $\frac{n}{r}$ ,  $y$ .

at<sup>2</sup>, 2at  

$$x \quad y$$
.  $x = at^2 \quad y = 2at$ .  
 $\frac{x}{a} = \left(\frac{y}{2a}\right)^2 \quad y^2 = 4ax \rightarrow \frac{1}{a}$