Find line of intersection of:

$$\chi + \gamma + Z = 0$$
 $\chi - Z = 0$ 

The sol. we give is a line in  $R^3$ , so we need to parameterize it:  $\tau(t) = \langle x(t), y(t), z(t) \rangle$ 

Since  $\chi - Z = 0$ , we get  $\chi = Z$ , and we can write  $\chi(t) = Z(t) = 1$ .

Then since the  $\chi(t) = 1$  and  $\chi(t) = -x(t) - z(t) = -2t$ , the first  $\chi(t) = -x(t) - z(t) = -x(t) - z(t)$  and  $\chi(t) = -x(t) - z(t) = -x(t) - z(t)$ .