8. Factorise the polynomial $p(z) = z^4 + 3z^3 - 6z^2 - 29z - 21$

i) over $\mathbb{R}$;

ii) over $\mathbb{C}$.

	1	3	-6	-29	-21
-1	1	2	-8	-21	0
3	1	5	7	0	

z^4+3z^3-6z^2-29z-21=0
z=-1
z^3+2z^2-8z-21=0
z=3

x^2+5x+7=0
x=(-5+-iV3)/2