9. Determine a and b so that $3x^3+ax^2-5x+b$ is sivisible by both $x-2$ and $x+1$. Factorise the polynomial completly.

3x^3+ax^2-5x+b

2(2(6+a)-5)+b=0
2+a+b=0

14+4a+b=0
2+a+b=0

12+3a=0
a=-4
b=4-2=2

3x^2+(-3-4)x+(-2+4)=0
3x^2-7x+2=0
D=49-24=25
x=(7+-5)/6=2;⅓
3x^3+ax^2-5x+b=3(x+1)(x-2)(x-1/3)

	3	a	-5	b
2	3	6+a	2(6+a)-5	2(2(6+a)-5)+b

	3	a	-5	b
-1	3	-3+a	-2-a	2+a+b