1331 14641 1 5 10 10 5 1 1 6 15 20 15 6 1 17 21 35 35 21 71 18 28 56 70 56 28 8 1 En 54 p 21 1. (1+i) = is + 5(1xi4) + 10i3+10i2+5i+1 = i+5-10i-10+5i+1 = - Wir4 2. C1+2i)4= 24i4 + 4x23i3+ 6x22i2 + 4xli+1 = 16-32: -24 + 8i+1 = -7 -24: 3. (2+i) = i4+2x4xi3+6x22xi2+4x23xi+24 = 1-81-24 +321+ 16 = -7+241 Ea 58 p 21 1. $(a-b)^{9} = (a+(rb))^{n} = \sum_{p=0}^{n} {n \choose p} a^{p} \times (-b)^{n-p} = \sum_{p=0}^{n} {n \choose p} a^{p} (-1)^{n-p} b^{n-p} = \sum_{p=0}^{n} {n \choose p} (-1)^{p} b^{p} \times a^{n-p} = \sum_{p=0}^{n} {n \choose p} (-1)^{p} b^{p} \times a^{n-p} = \sum_{p=0}^{n} {n \choose p} (-1)^{p} = (1-1)^{n} = 0^{n} = 0$ $0 = \sum_{p=0}^{n} {n \choose p} (-1)^{p} = (1-1)^{n} = 0^{n} = 0$ 1 9 36 84 126 126 84 36 9 1 1 10 45 120 210 252 210 120 45 101

	(a-b) 10 = \$ (p)) an-p (-1) p b b		
	denc a3b²	à pour coefficient	(10) a qui est ce	gal à 120 d'après le triange
0				