Molina Franco Algebra Tarea 8 44192153 T: 1R3[x] -> 1R2[x] y T(p(x))= P(x)-p(1) a) Probar of Tes trans. lineal P(x) = 2x2 + bx + C T(p(x)) = (ax+ bx+c)-(a+b+c) $= a(x^2-1) + b(x-1)$ = a(x+1)+b * T(p(x) + \(\hat{p}(x)\) = T(\(\hat{a}\x^2 + \hat{b}\x + \c'\) + \(\hat{a}\x^2 + \hat{b}\x + \c'\) = T(x2(3+x3')+x(6+x6')+(c+xc')) * = (3+ x3) (x+1) + (b+ xb) = a · (x+1)+b + ha'(x+1)+ hb' = T(3x2+6+c) + XT(3x2+6'+c') = (P2) + \1(Pix) Tes trans. lineal.

