nr 2 p 117 met product regel a) D((5-x),(x+3)) = (x+3)D(5-x) + (5-x),D(x+3)g g Dj + j Dg = (x+3). (DS-Dx) + (5-x) (Dx+D3)= (x+3).(0-1)+(5-x)(1+0)= -x - 3 + 5 - x = (2x + 2) = 2(1-x)b) $D(7x(8-x^2)) = (8-x^2)D(7x)+(7x)D(8-x^2)$ $= (8-x^2)(7Dx) + (7x)(D8-Dx^2)$ $= (8-x^2).7 + (7x)(0-2x)$ $= 56 - 7x^2 - 14x^2$ $= (-21 \times^2 + 56) = 7(8 - 3 \times^2)$ c) $D((x^2-2x) \cdot (2x-4))$ = (2x-4) D (x^2-2x) + (x^2-2x) . D(2x-4) $= (2x-4) (2x-2) + (x^2-2x) \cdot 2$ $= 4x^2 - 4x - 8x + 8 + 2x^2 - 4x$ = (6 x2 - 16 x + 8) d) $D((5-x).2x.(x+8)) = D((5-x).(2x^2+16x))$ $= (2x^2 + 16x) \cdot D(5-x) + (5-x) D(2x^2 + 16x)$ $=(2x^2+16x)(-1)+(5-x)(4x+16)$ = -2x2-16x + 20x + 80 - 4x2-16x $= (-6x^2 - 12x + 80)$