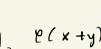
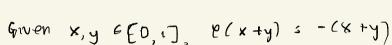
3F2. Give three distinct examples of linear functionals on R co, 17

3- 4(x) = 2x





4(2x) = -2x

Given x,y € [0,1] > (x+y) = 2(x+y) = 2x+2y /

5 -x + (-y)

= 2 6(x) ·

(2x) = 2(2x) = 2(2x) < 2 ((x).

= 2(-8)

= (x) + (y) V

= (x) + (y)

