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Examen Matematini Ineciale

1 poladatoul en volfulile A(-1,0), B(0,-5), ((1,0), E(0,-3')

4 E: 4= mx+ 25

A. 0=-3.-1+ 2=1 2=-3 =) pe AE, y=-3x-3 AB. M= MA+B, M= 10B-107 = -5

A: 0=-5--1+5=) &=-5=1 ne AB, y=-5*-5 E(: 1 = m + + for m= 2 (-1) = 3 * (- x = 1-0

C: D=1.3+6=26=-3=) NE E(, 4=3+-3 B(: N= M+ P) W= A(-MB= 0-(-2)=2

C: 0=1.5+0= = 10=-5 = ne B(, 4=5*-5

E(0,-3)

7

101-5)

=) AE: y=-3 x-3 AB: y=-5x-5 EC: 4=34-3 B(: y=34-5 D7: XE[~1,0] & E[-5*-5, -3*-3] D2: *E[0,1]) y E[57-5,3*-3] =)1= 11 (x2-2xy) dredy + 11 (x2-2xy) dredy = [-1/0]·[-5*-5,-3*-7] [0,1]·[5*-5,3*-7] = J(J == 2 + y dy) dx + J(J == 2 + y dy) dx = -1 -5 x -5

-1 -5 x -5

-1 (x y - x y) dx + 5 (x y - x y) =

-1 -5 x -5

-1 -5 x -5 $= \int_{-\infty}^{\infty} \frac{1}{x^{2}} \left[-3 + -3\right] - \left[+ \left(-5 + -5\right] d_{x} + \int_{-\infty}^{\infty} \frac{1}{x^{2}} \left[3 + -3\right] - \left[+ \left(5 + -5\right) d_{x} + \left(-5 + -5\right) d_{x} + \left($ $= \int_{-3}^{3} \left(-3 \times -3 \times -25 \times -25$ = U-28 x -28 x -2 8 x -2 5 x dx + J -22 x +22 x -25 x dx = (-7+4-28+3-25+2) + (-11++22+-25+2) == = 7-28+25 -21+22 -25-7-6-21-0

 $= \int_{-3}^{3} (-3 + -3) - x (-3 + -3)^{2} - x (-5 + -5) + x (-5 + -5) dx$ $+ \int_{0}^{3} (-3 + -3) - x (-3 + -3)^{2} - x (-5 + -5) + x (-5 + -5) dx$ $= \int_{0}^{3} (-3 + -3) - x (-3 + -3)^{2} - x (-5 + -5) + x (-5 + -5) dx$ $= \int_{0}^{3} (-3 + -3) - x (-3 + -3)^{2} - x (-5 + -5) + x (-5 + -5) dx$ $= \int_{0}^{3} (-3 + -3) - x (-3 + -3)^{2} - x (-3 + -5) + x (-5 + -5) + x (-5 + -5) dx$ $= \int_{0}^{3} (-3 + -3) - x (-3 + -3)^{2} - x (-3 + -5) + x (-5 + -5)$