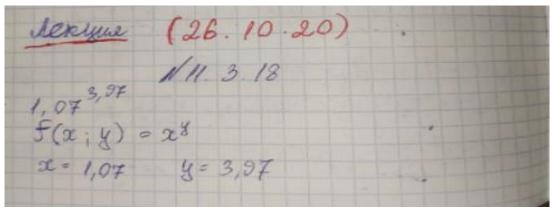
## Войтенко Игорь Александрович

## 1 подгруппа



J(1,04)2 + (3,01)2 f(x, y) - V22 - 42 x=1,04 20=1 12=0,04 y=3,01 3/0=3 Ay=0,01 5(2) ~ 5(2) - f'(2)-12 = v9-209-1= - 3+6= + = 3,1(6)=32 N11.321. 3428° - cos 61° 5(x; 4) + sin(x) · cos(4) 2 = 28 x0 = 30 Ax = -2 4=61° 40=60 A4=1 V (sin2 1,55 + 8-e0,015)5 f(x; 4) = V(3in2x + 8e8)5

```
18/2 (2, 4) - ((sint 2-bex) 5/2)' = $ ((sinter bet) 5/2-1).
  · (2.50h 2. (9: h2) = 5 - 2 4 2.000.
 · (six 2 + 3 e8) 3/2
DSy(2, 4) = ((5ihtz · 8ex) 5/2) - = ((5ihtz - 8ex) 5/2-1).
   · (0+8e8) = 2.8e4 (SIL2 + 3ex) 32 =
   = 20 e8 (sinta+ 8 e8) 3/2
3) a = 1,55 &0 = 1,571 Ax = -0,021
8=0,015 40=0 A4=0,015
4) f (20, 40) = (Sint I + 8. c) 5/2 = (1+ 8) 5/2 =
   = 95/2 = 595 = 243
51 f2 (20, 40) = ( = sin It) (sin = + 8e) ==
   =30.912=0
6) fy (as, yo) = 20 e (sih = = + 8e) 3/2 =
      = 20 . 93/2 - 20 . 27 = 540
F) f(x; y) = 243+0.(-0,021)+540-0,015=
   C 243 +0 +8,1 = 251,1
```