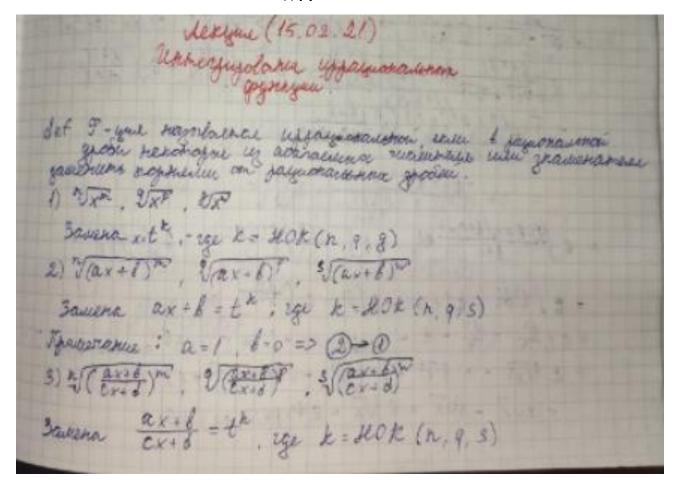
## Войтенко Игорь Александрович

## Подгруппа №1



```
Januarahue: 11 c-0, d=1 => @
   2) 3:00 100
 1) Dag. Surau:
      x (a+1,x1) dx mx.pBR
   1) 96 2
    Savena x - th. 2 - obique granchahure gota min
   2) mil 62
    Some ax + 6x = 1+ k - pareceance main
    5 mail + 1 5 R
    James ax +6= 5t, & gardenais runce o
  - 1015 dt - 0 1 15 dt - 0 1 1566 - 0 1 1566 -
  -1 t
= 6 State planted = 65 (talenger) - 65 dt
 = & Stot - & Stot + & Sdi - & Stot =
= 60 to - to - 1 - 1 mitters + C = Ex-t0 => t - 2/23
= 2 UB - 3 UF + 8 UR - CCR 14x + 11 + C
 - 25R - 30R - 6 UR - 6 12/02 +1/40
```

 $\int \frac{x+\sqrt{1+x}}{\sqrt[3]{1+x}} dx = \left[ \frac{x+2}{x+2}, \frac{6}{3} + \frac{6}{3}$ 

( =x de = [ n=2 => HOK(2)= k => 1-x=t'=> == # => dx = (1-t2); dt = (1-12)(1+t2)-(1-t2)(1+t2); dt = = -2t(1-t) -2t(1-t) st= -4t st)= st 7= + St. 1+12 . (-4+)dt - 4 / 12 0000 dt = 4 5 (t-1)(t+1) 1 + 4 5 (t-1)(t+1) 16 + 4 5 (t-1)(t+1) -[ Atth - Ct+0 => A=C=0 8= £] = = + / dt + + (1) dt - + / dt ) = - 45 dt + 25 dt - 25 dt = = 2 fet + 2 fet = · Larcty t + (n) t-1 + c = = 2 arcty (J+x) + ln | J+x = 1 + C = - 2 arcts | J-x | + (n | st-x - J+x | + C