Journ Joursels Jon: 01150600041 Контролна 2 $A = \int \frac{\text{arctg} \left[\frac{x}{4-x}\right]}{(4-x)\sqrt{\frac{x}{4-x}}} dx$ $\sqrt{\frac{x}{y-x}} = t = x + 2 = \frac{x}{y-x} = 4t^2 + xt^2$ XPH 4-X= 4+4+2-4+2 = 4 =>A= (arctgt. d 4t2 = (arctgt. (4t2) 3t dt = 14t2) 4 (1+t2) 2 dt = = Sarctgt dt = Sarctgt darctgt = = arctg2(t)+c=arctg2(1xx)+C