4/w D. Hanumuse ypabnemue napasom, proses. (1,2), (3, 10), (5, 2) Spaluenne napason: ax2+bx+c = Ябдетавичени точки, полугани: (a+b+c=2)1 9a+38+c=10 (2) 25a+56+C=1 (3) a = 2-6-c nog crabullu 6 (2) u (3) 8(2) 9/2-8-6) +38+6=10 18-96-9C+38+C=10 66+8C=8 38+40=4 (13) 25/2-8-c) +58+C=1 50-258-256+58+6=1 206+24 = 49 Tonyraum 36+4C=4 (2) 201+246=24 (3) Доминими на 6 зрабиения (2) и выгом из прав. часки правую из мев. - мевую 26=25 = 6 = 25

Togesabul & ypaluenue (2) 3.25 +46 =4 Togener Ka 4 75 + c = 1 =) C = 8-75 = -67 $a = 2 - 6 - c = \frac{3}{2} - \frac{25}{9} + \frac{67}{8} = \frac{16}{9} - \frac{100}{9} + \frac{67}{8} = \frac{17}{9}$ Orlen: -17 x2+25 x - 67 Duyleano 200 chem. orypey 14 99% - loga Porgresou, En orypy of polico 100 kz Угрез му мест - обран усохии - и тенеря? Uznaransus 100 K2 uz uux loga 99mz, coxol - 1 kz Type records: cyxon -1 km, oro reners 2%. Sau 24. - 20 1 mz, To 100% - 20 50 KZ. Other : 50 m. 3 Нешиго урависимия (могарири) 1. 2 x = 256 X = log, 256 = 8 003: x>0 2. 2 x = 300 X = log 2 300 , x > 0 3. log 2 8 x - x = 4

093: 28x-4 >0 3. log 2 2 x - 4 = 4 8 4 = 2 2 x - 4 $(2^3)^{4} = 2^{8x-4}$ 212 = 2 8x -4 $8 \times -4 = 12 = 78 \times = 16 \text{ Ordes} : X = 2 \\ \frac{2 \log_3 (5 \times -5)}{\alpha} = 5 \times 8 \text{ OB3} : 5 \times -5 > 1$ по определению перепишен log3 5 = logg (5x-5) log35 = = log,5(X-1) log35 = log 5 + log (x-1) log 3 = 1 log 5 + log (x-1) logg (x-1) = 1 log 35 logg(x-1) - logg 5 =0 log x-1 =0 7. e. $9^{\circ} = x - 1 = 1$ $x - 1 = 5 \Rightarrow x = 6$, x = 6, x = 6

5. X log 3 X + 1 = 9 x log 3 x + 1 = 32 093: X 70 , X \$ 1 Прологарири-ем по основанию 3 log, x log 3 x +1 = log 3 2 = (log3 X +1) · log3 X = 2 Bamenny loz x na a Torga (a+1). a = 2 a2+ a -2=0 Kopuce: a1 = 1 , a2 = -2 Возвращаемся: $log_3 X = 1 \Rightarrow X = 3$ $log_3 X = -2 \Rightarrow X = 3 = \frac{1}{9}$ Ooker: 3; 79 4. Burucauro: 6. logy 16 = 2 7. log = = -2; 8. log = 5 = 7 3. log , V27 => 3/6/3 = 1,5 10. log 212 - log 2 3 = log 2 3 = log 4 = 2

11. log 12 + log 3 = log (12.3) = log 36 = 2 12. elh5 = e loge5 = 5 13. log 225 log 2 (15.15) = log 2 15 + log 2 15 log 2 15 14. logy 32 + logo 10 = 3 + log 10-10 = 3-1-2 15. 9 log3 V5 = 3 2 log3 V5 = 3 log3 5 = 5