3) 22 = 256 log 2 256 = X Omben: 8 5) x log3 x+1 =9 983: X > 0, X ≠ 1 lof 3 x log 3 X+1 = log 3 9 (lep3 x+1). leg3 x = 2 2) 2 = 300 leg 2 300 = X Fyenu legg x = t, morga. log 2 (102.3) = log 102 + log 3 = log (2.5)2+ log 3 = 2 · log 2+ D=82-40C=12-4-1-(-2)=1+8=9 + 2 · log 5 + log 3 = 2 + 2 log 5 + log 3 Omben: 2+2 log 5 + log 3 3) leg 2 8 x - 4 = 4 t2 = -8-VD = -1-3 = -2 (8x-4). log 2 = log 8 4096 8 v - 4 = log + 4096 = log 2 4096 = 12 lag 3 × 2 = 2 4 Undem: 2; 3 (A) 6) logy 16 = 4 Ombem: 2 9) legs 25 = legs 52 = legs 52 = -2 4) 3 logg(5x-5)=5 logg 3 logg(5x-5) = logg 5 s) logas 5 = log 52 5 = 1 9) log 27 = lop 27 = 1 - log 27 = 1 - log 327 = 2 - 3 = 3 logg (5x-5). logg 3 = logg 5 11)  $\log_6 12 + \log_6 3 = \log_6 (12 \cdot 3) = \log_6 36 = 2$ 12)  $\log_6 12 + \log_6 2 = 5$ 10) log 12 - log 3 = log 12 = log 4 = 2 logg (5x-5) . 1 leg 3 = leg 5 logg (5x-5) = 2. logg5 logg (5x-5) = logg 52 13) leg 2225 = log 15 225 = 2 5x-5=52 5x=30Omben: 6