3 aganne NI Spor NI (noere Beturapa)

3 aganne NI Spor NI - "

req github.com > ccourse

3 aganue N3:

1.
$$2^{x} = 256$$

 $\log_{2} 256 = x$
 $x = 8$

3.
$$\log 8 2^{8x-4} = 4$$
 $\log_2 2^{8x-4} = 4$
 $\log_2 2^{8x-4} = 4$

5.
$$x \log_{3}(x+1) = 9$$

$$x \log_{3}x + \log_{3}^{3} = 9$$

$$\log_{3}x + \log_{3}(x-3)$$

$$2 \log_{3}x = \log_{3}(x-3)$$

$$2 \log_{3}x = (\log_{3}x) + 1$$

$$2 \log_{3}x = (\log_{3}x) + 1$$

$$\log_{3}x = 1$$

2.
$$2^{x} = 300$$

 $x = \log_{2} 300$

9.
$$3\log g(5x-5) = 4$$

$$a \log_{6} c = c \log_{6} 9$$

$$(5x-5) \log_{3} 2^{3} = 5$$

$$(5x-5) \frac{1}{2} = 5$$

$$5x-5 = 5^{2}$$

$$5x = 5(5+1)$$

Saganue NS ly Besurcaya a) Perente ypabnemie: Cos (# + 2x) = 12 Sin x havigure bee ropm smoro yp. I, uperhagnettamme uposeethyrky [-5tr, -4JT] Yeurene: a) Cos (= + 2x) = \(2 \) Sin x Cos I Cos 2x - Sin I · Sin 2x = V2 Sinx Cos = 0; sin = = 1: - Sinax = Va Sinx Sin2x = 2sinx. cosx: 2 sinx · cosx + 12 sinx = 0 Sinx (2005 x+V2) = 0 Sage to seytho commande cucune eng T.K. new nephris, meto bropour commontent en mong onto pabut mymo: $x = fk, k \in 2$ Sinx=0 1 2cosx+V2=0 $2\cos x + \sqrt{2} = 0$ Cosx = - 12 $\chi = \pm \arccos\left(-\frac{\sqrt{2}}{2}\right) + 2\pi n = \pm \left(\pi - \arccos\left(\frac{\sqrt{2}}{2}\right) + \pi n = \pm \left(\pi - \arccos\left(\frac{\sqrt{2}}{2}\right) + \pi n\right)$ ことtrutるす,net d) x ∈ [-51;-45] Πρυ x= trk;k€2: x=-551; x=-451 Npm x = 2πn±3/4 π; n ∈ Z x2=2JIn-3/4 JI 74 = 2Tin + 3/4 JT -5 JT = 2JTn - 3/4 IT = -4JT -ST < 2TIN+3/4 JT 5-4JT n= -2 | n= -1 22=-19 x2=-11 JI N = -2 X1= -15 TT $x = -4\pi / x = -\frac{13}{4}\pi / x = \frac{19}{4}\pi / x = -\frac{41}{4}\pi$

TO+bet: | Bu Kopmi:

Baganue N4: Choûcmba eorapuspeed. Bruchert

9.
$$\log_3 \sqrt{27} = \log_3 3^{3/2} = 3/2$$

10.
$$\log_2 12 - \log_2 3 = \log_2 \frac{12}{3} = \log_2 2^2 = 2$$

11.
$$\log_{6} 12 + \log_{6} 3 = \log_{6} 12.3 = \log_{6} 36 = \log_{6} 6^{2} = 2$$
12. $\ell = \log_{6} 5 = \ell \log_{6} 5 = 5 \log_{6} \ell = 5$

14.
$$\log_{4} 32 + \log_{0.1} 10 = \log_{4} 32 + \log_{10} 10 = \log_{22} 2^{5} - 1 = \frac{5}{2} - 1 = \frac{5}{2} - 2 = \frac{3}{2}$$