Debeniene obre

Lo mnozina bodse, vro Abre jo funtre delinovona

f(x) = L 1 , Df = d x, vo Abre mo vrosed for

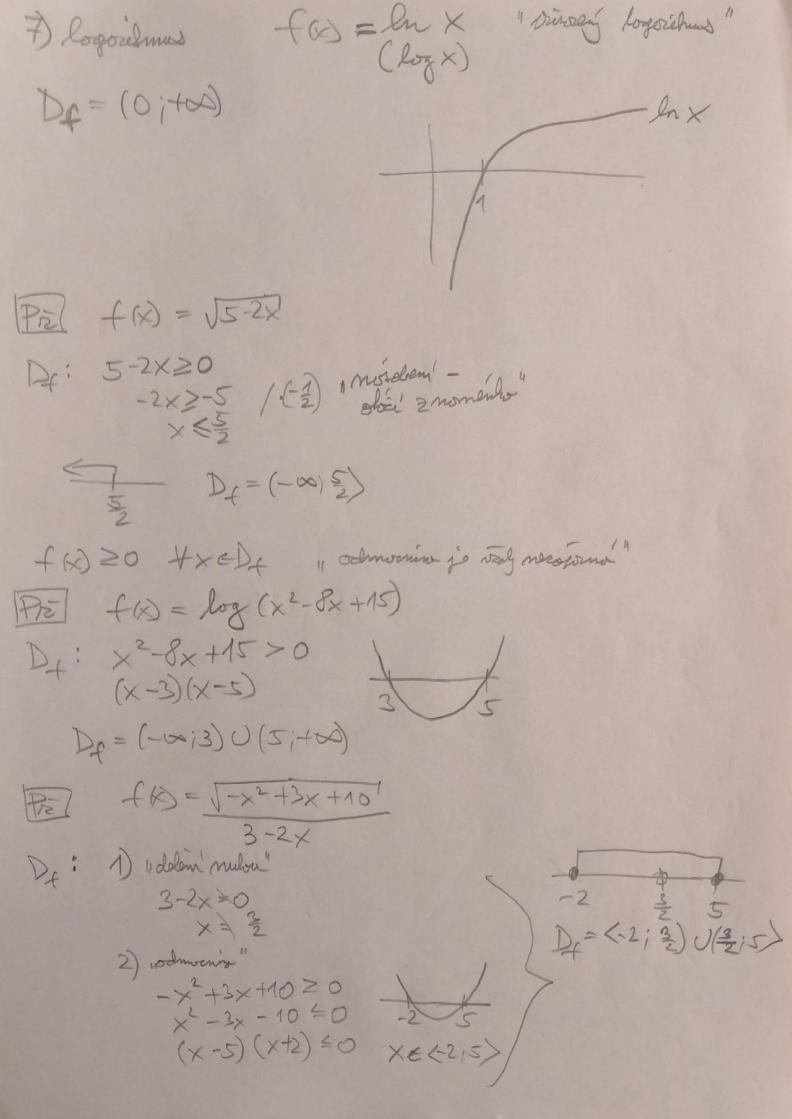
smysl, nepoziziene p

ziodna evirola 4

Brelled Ceenka - debinion doory a groby 1) linearm fundace f(x) = ax+b 2) levodrolishe funde f(4) = ax2 + bx+c aso

(x) = "Rombinoce 1xxx" xx + nóroben 2onsonbre " De=18 3) 10 from Dt = K 11 odnovnigene soure fo=Jx 4) odmocnina 11 Jo20 odmorning je 4 Df = (0; +00) 5) lin lomena tunke (6) = " linear tunke Det = R \ of bod x, re Abrem je frannvold & roven male y 6) seponenciólni tunke f (3) = l 12-2.7

Dy=R 22 1 13x 12, a >0 good vied Isodne



$$f(x) = \sqrt{-x^2+3} \times +10^{7} = \sqrt{-x^2+3} \times +10^{7}$$

$$3-2 \times = -2(x-\frac{3}{2})$$

TABOLKA:

$$(x-32)$$
 $(32,5)$ $(32,5)$ $(x-32)$ $($

$$PR = -3x^{2} - 9x + 12 = -3(x^{2} + 3x - 4) = -3(x + 4)(x - 1)$$

$$\sqrt{2x^{2} + 6x - 20} = \sqrt{2x^{2} + 6x - 20} = \sqrt{2x^{2} + 6x - 20}$$

$$\sqrt{2x^{2} + 6x - 20} = \sqrt{2x^{2} + 6x - 20} = \sqrt{2x^{2} + 6x - 20} = \sqrt{2x^{2} + 6x - 20}$$

1) dilen' mulou"

$$\sqrt{2x^2+6x-20} \neq 0 \iff 2x^2+6x-20\neq 0$$
 $2x^2+6x-20 > 0$ "solmornia" $x^2+3x-10 > 0$ $(x-2)(x+5) > 0$

2) "odmocnina"

x=-2; X=5

 $(-\infty)^{-5}$ $(-5)^{(5)}$ $(+1)^{(1)2}$ (2) $(-\infty)^{-5}$ $(-5)^{(5)}$ $(+1)^{(1)2}$ (2) $(-\infty)^{-5}$ $(-5)^{(5)}$ $(-5)^{(4)}$ $(-5)^{(5)}$ $(-5)^{(4)}$ $(-5)^{(5)}$ $(-5)^{(4)}$ $(-5)^{(5)}$ $(-5)^{(4)}$ $(-5)^{(5)}$ $(-5)^{(4)}$ $(-5)^{(5)}$ $(-5)^{(4)}$ $(-5)^{(5)}$ $(-5)^{(4)}$ $(-5)^{(5)}$ $(-5)^{(4)}$ $(-5)^{(5)}$ $(-5)^{(4)}$ $(-5)^{(5)}$ $(-5)^{(4)}$ $(-5)^{(5)}$ $(-5)^{(4)}$ $(-5)^{(5)}$ $(-5)^{(4)}$ $(-5)^{(5)}$ $(-5)^{(4)}$ $(-5)^{(4)}$ $(-5)^{(5)}$ $(-5)^{(4)}$ $(-5)^{(5)}$ $(-5)^{(4)}$ $(-5)^{(5)}$ $(-5)^{(4)}$ $(-5)^{(5)}$ $(-5)^{(4)}$ $(-5)^{(5)}$ $(-5)^{(4)}$ $(-5)^{(5)}$ $(-5)^$

Poslocepnost "poslegne ocislovona realmo cesta" $\alpha_{4} = 2_{1} \alpha_{2} = 3_{1} \alpha_{3} = 4_{1} \alpha_{4} = 5_{1}$ 2 morenn Lampas Zodení vrocem - motě. am = m² , MEN (ag=1,az=4,az=9, ...) Funkce os. woloupnost for = 1, D+=(0;+00) ay = 1 mell 1 2 3 X 1 2 3 M limita sosloupnosti Posloupnost damen ma (o a) limite a, josuel se demy vorloupnosti blizi liborolne blieso La, mo Zvelseju se m. znoèm lim om = a an -> ce

Enone limity. Obeene lim nt = { 1, 20 } · lim n = +00 · lim = 0 PEl lim n3 = 0 Prel lim n2 = OPrelim 13 = 0 e lim $2^m = \infty$.

Seene lim $a^m = 0$ lim $a^m = 0$ lim $a^m = 0$ $a^m = 0$ Pro lim (-1)" nece Polim 3" = 0 Pro lim 2" = 00 Vety o oxismolie limit (VOAL) lim an + lon = lim an + lim ba POKUD HA lim an lon = (liman) . (lim bn) - PRAVA' STRAVA lim om - lim lon SMYSL Nedobinorone ograzy: + + 00 · 0 · 0 日 00 - 00 四十二 国土多 (PE) lim m2 + 6m+2 = lim m2 + lim 6m + lim 2 = +00 [P/z] lim m²-6m+2 = 2