Lineami tunke He (f(x) = 1-2x vienhe/lineani-tradel La linesom den Py = [0,1] peuseuk A orou & [docodin x=0] Px:) 1-2x = 0/-1 a) seiden (odedem) asla & boum -2x=-1/1-1 le) rognosoben (rydelmi) obou stron X= 5 (nemelogue) cestem 5 mulog bool linearnilo Doni P= [2;0] priseil A osoux Rosomorm grobe f(x) = 1-2x = -2x+1 $+(\times)=\times$ f₂(x) = E)x
smoorie -1 (6) f(x) = -2x+1 y=ax+b, a smissive Josem a> O ... primberose -> mohom (+) a < 0 ... i simbre Dese 11 jdeme zla dopou tox 4

For
$$f(x) = \sqrt{2}x - 2$$

Spould death where when

 $\sqrt{2} \times 1.4$, $2 \approx 2.7$
 $R = \sqrt{2} \times -2 = 0$ /+ R

 $\sqrt{2} \times = 2$ / $\sqrt{12}$
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Pro
$$f(x) = -\frac{1}{2}x^2 + \frac{\pi}{2}x - 3$$

Ry = $[2i]^3$

[donodil x=0]

Px: [rational revolut $f(x) = 0$]

-\frac{1}{2}x^2 + \frac{\pi}{2}x - 3 = 0/2 \frac{\pi}{2} \fra

Glodnose / Zownos f(x) >0 f(x) <0 f(x)>0 xe(-0;xy) U(xz;+0) 1) mom 2 horen; a >0 fx)40 XE(X11X2) f(x) 20 XE(X1XL) (x) 40 2) man 1/2 odný koran XG(-00/Xn)U(Xi, ta) a>0... +(x)20 +xer aco. f(x) so txck grob

3x2-6x -105 = 3(x+5)(x-7) PE Pg = [0, -105] R=0[-5,03, 17,034 V = [1, 3-6-105] = [1, -108] 1 x2+x+ = = (x+2)(x+1) Pã Py = [0, 23] Px=12-2,03, [-1,0]p V= [-3=; 3-3+3]=[-=; 9+8-18]=[-=; -1] -4x2 +20x +24 = 4(x+1)(x-6) Pr Pa = [0, 24] Px = 2[-1:0], [6,0]> V = [5/2 i -4. 25/4 + 20. 5/2 +24] = = [52 ; -25 + 50 + 24] = [52 ; 49] -x2+6x -10 P8/ Pn=[0]-10]

V=3:-1

nema Gorny