$$sin(me) \cdot eos(me) = \frac{1}{2} \cdot (sin + sin \beta)$$

$$mk = \frac{d+\beta}{Z}$$
;  $nk = \frac{d-\beta}{Z}$ 

$$\frac{d}{d} = \frac{d - (2mu - d)}{2}$$

$$2 \times (mtm) = 2 \times$$

$$\times (m+m) = d$$

$$2 m = d - \beta$$

$$2 m + \beta = d$$

$$Z_{\star}(m-n)=Z_{\beta}$$

$$\lambda(m-n)=\beta$$

$$pin(me) \cdot cos(ne) = \frac{1}{2} \cdot \left( sin((m+n)x) + sin((m-n)x) \right)$$

$$\log_{10}(x+2) - \log_{10}(x-1) = 2 - \log_{10}4$$

$$\log_{10}(\frac{x+2}{x-1}) = \log_{10}(\frac{100}{4})$$

$$\frac{\chi_{+2}}{\chi_{-1}} = 25$$

$$X+Z = 25x - 25$$

$$-27 = 29x$$

$$\chi = \frac{27}{29}$$

podm. x+270 1 x-170 x7-21 x>1

$$f(x) = \log (23 + x - 5x^2 + (9x + 5) \cdot |x - 1|)$$

$$43+x-5x^2+(9x+5)\cdot |x-1| > 0$$

whole & The

$$\chi_{0}^{20} > (94+5) \cdot (5x^{2}-x-73) + x+1$$

$$x_{1} = \frac{3\sqrt{29}}{10} \stackrel{?}{=} 1,62$$

$$\frac{1-\sqrt{1+260}}{10} \stackrel{?}{=} 1,62$$

$$\frac{1-3\sqrt{29}}{10} \stackrel{?}{=} 1,52$$

$$f(x) = log(134x - 5x^2 + (4x+5)|x-1|)$$

$$13+x-5x^2+(9x+5)|x-1|>0$$

$$13+x-5x^{2}+(9x+5)\cdot (1-x)>0$$

$$(x-4) \cdot (x+2) < 0$$

PA

$$D(f) = P_{1}(f) \cup D_{2}(f) = (-\sqrt{2}; ^{4})$$