-(x+2)70 x+2<0 -8(x)70 8/x)<0

## ## MATEMATICA##

$$|23\rangle = e^{x^3 - 2x^2 + x} \qquad \forall e^{x} = e^{(x-1)^2} \qquad \forall e^{x} = e^{(x-1)^2} + e^{x} = e^{(x-1)^2} \cdot (2x^{-2}) = e^{x} = e^{(x-1)^2} \cdot (2x^{-1})^2 \cdot (2x^{-1}) = e^{x} = e^{(x-1)^2} \cdot (2x^{-1})^2 \cdot (2x^{-1}) = e^{x} = e^{(x-1)^2} \cdot (2x^{-1}) = e^{(x-1)^2} \cdot (2x^{-1}$$

$$y>0 \longrightarrow x<\frac{1}{3} \land x>1$$
  $y>0 \land x \leftarrow (-\infty;\frac{1}{3}) \cup (1;+\infty)$   
 $y<0 \longrightarrow \frac{1}{3} < x < 1$   $y<0 \land x \leftarrow (\frac{1}{3};1)$ 

$$|28|_{128} = \lim_{x \to 2} \frac{x^{2}+3}{x^{2}+3} \qquad |= \frac{x^{2}+3}{x+2} \cdot \lim_{x \to 2} \frac{x^{2}+3-2x(x+2)}{(x^{2}+3)^{2}} = \frac{x^{2}+4x-3}{(x^{2}+3)^{2}} = \frac{x^{2}+4x-3}{(x^{2}+3)^{2}} = \frac{x^{2}+4x-3}{(x^{2}+3)^{2}} = \frac{x^{2}+4x+3}{(x^{2}+3)^{2}} = \frac{x^{2}+4x$$

$$= -\frac{x^{2} + 4x + 3}{(x+2)(x^{2}+3)}$$

$$= -\frac{x^{2} + 4x + 3}{(x+2)(x^{2}+3)} > 0 - 7 \frac{x^{2} + 4x - 3}{(x+2)(x^{2}+3)} < 0$$

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$$= -\frac{x^{2} + 4x + 3}{(x+2)(x^{2}+3)} > 0$$

$$= -$$

1) 
$$x^{2} + 4x - 3 < 0$$
  
 $A_{1} = 4 + 3 = 7$   
1)  $x + 2 > 0$   
 $x = -2 \pm \sqrt{7}$   
1)  $x + 2 > 0$   
 $x > -2$ 

$$\frac{1}{\sqrt{2}} = \frac{1}{2} \cos x - 2 \cos x + 1$$
 $\frac{1}{\sqrt{2}} = \left(\sin x + 1\right)^{2}$ 

$$Y = 2\left(\sin x + 1\right) \cdot + \left(\cos x\right) \qquad 1) \quad 4\left(\sin x + 1\right) \times 0 \rightarrow \sin x \times -1 \qquad x \neq \pi \qquad \qquad 1/70 \rightarrow \left(0, \frac{\pi}{2}\right) \cup \left(\frac{3}{2}, 2\pi\right)$$

$$1) \quad \left(\cos x + 0\right) \rightarrow 0 + \left(\frac{\pi}{2}\right) \cdot \left(\frac{3}{2}, 2\pi\right) + \left(\frac{3}{2}\right) \cdot \left(\frac{3}{2}, 2\pi\right)$$

$$1) \quad \left(\cos x + 0\right) \rightarrow 0 + \left(\frac{\pi}{2}\right) \cdot \left(\frac{3}{2}, 2\pi\right)$$

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( NITERSECO CONIL DOMINIO [-2;+ 20)

1'co in (-2+V7; +00)

( m y>0 in (-2;-2+17)



