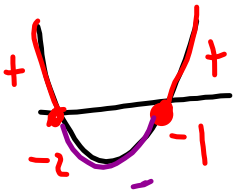


$$y = \frac{3x}{x^2 + 3x + 2}$$

$$x^2 + 3x + 2 \neq 0$$

$$\Delta = 9 - 8 = 1$$

$$x_{1/2} = \frac{-3 \pm 1}{2} = \begin{cases} -2 \\ -1 \end{cases}$$



$$D: \mathbb{R} - \{-1, -2\}$$

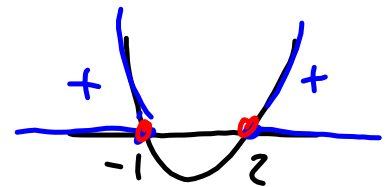
$$y = \sqrt{x^2 + 3x + 2}$$

$$x^2 + 3x + 2 \geq 0$$

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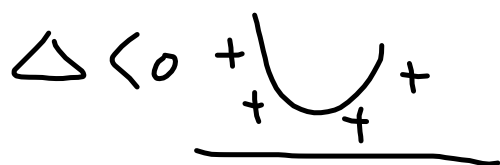
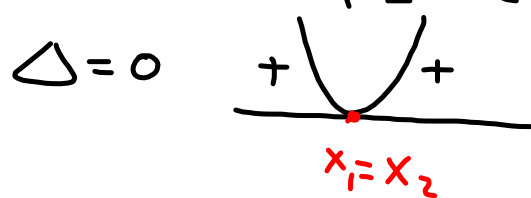
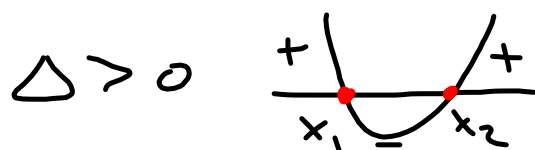
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D:

$$\begin{cases} x \leq -2 \\ x \geq -1 \end{cases}$$



$$y = \frac{x-3}{2x+4}$$

$$2x+4=0$$

$$2x=-4$$

$$x=-2$$

$$D: \mathbb{R} - \{-2\}$$

$$y = \sqrt{\frac{x-3}{2x+4}}$$

$$\frac{x-3}{2x+4} \geq 0$$

$$N: x-3 \geq 0$$

$$x \geq 3$$

$$D: 2x+4 > 0$$

$$2x > -4$$

$$x > -2 \quad D: x < -2 \vee x > 3$$

	-2	3	
N	-	-	+
D	-	+	+
	⊕	⊖	⊕