



Find domain	Function	Domain Concern	Method
only	Polynomial	None	R or (-∞,∞)
Polynomia \	Rational Function	Cannot = by O Denom $\neq O$	Factor Denom 4 Solve x # #
$f(x) = \chi^3 + 3\chi^2 + 4\chi + 7$	Even Root	Camot have V-#	Testpoints!
Rational $f(x) = \frac{4x+7}{x^2-9}$	odd Root	None	R or (-00,00)
+(x)= x2-9 [Even Root			
(x-3)(x+3)=0		$f(x) = \sqrt{\chi' + 5} \qquad \frac{1}{-5}$ $\sqrt{0} = 0 \qquad \sqrt{5} = 0$	
$\chi = 3, -3$			
X = -3,3 Odd Root			
$(-\infty, -3) \cup (-3, 3) \cup (3, \infty)$ $\sqrt[3]{-8} = -2$ $-2 \cdot 2 \cdot 3 \cdot $			
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$$f(x) = \sqrt{\frac{x+3}{x-7}} \text{ Rational}$$

$$x \neq 7$$

$$x \Rightarrow 7$$