Graphing Rational Functions

Def: A RATIONAL FUNCTION is a function that is in the form of a

Ex)
$$f(x) = x \frac{2}{x^2 - 4}$$

Are there any numbers that if we plugged them into x in this function they would cause a problem?

pic of YOUR graph

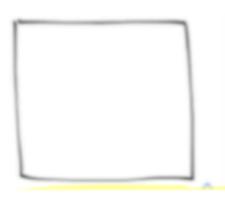
pic of YOUR table



LETS LOOK AT ANOTHER FUNCTION

$$f(x) = \frac{x^2 - 1}{2x + 4}$$

What number(s) would cause a problem?



Def: An asymptote is					
		-		-	
The function will	•				