## The domain is all values that x is allowed to be.

Since I can't divide by zero (division by zero isn't allowed,

I need to find all values of x that would cause division by zero.

The domain will then be all other x-values. When is this denominator equal to zero?  $x^2-4=0$ 

 $x=\pm 2$  then the domain of u is  $\{x \mid x \neq 2 \text{ or } -2\}$