The domain is all values that p is allowed to be. Since I can't divide by zero (division by zero isn't allowed,

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

The domain will then be all other p-values.

When is this denominator equal to zero?

.  $p=\pm 2$  then the domain of y is  $\{p \mid p \neq 2 \text{ or } -2\}$ 

 $p^2 - 4 = 0$