3.

The domain is all values that e is allowed to be.
Since I can't divide by zero (division by zero isn't allowed,
I need to find all values of e that would cause division by zero.
The domain will then be all other e-values.
 When is this denominator equal to zero?
$e^2 - 1 = 0$
$e = \pm 1$ then the domain of q is $\{e \mid e \neq 1 \text{ or } -1\}$