4.

The domain is all values that q is allowed to be.
Since I can't divide by zero (division by zero isn't allowed,
I need to find all values of q that would cause division by zero.
The domain will then be all other q-values.
When is this denominator equal to zero?
$q^4 + 25 = 0$
impossible , then the domain of n is $(-\infty, \infty)$ i.e. $q \in \mathbb{R}$