5.

The domain is all values that n is allowed to be.
Since I can't divide by zero (division by zero isn't allowed,
I need to find all values of n that would cause division by zero.
The domain will then be all other n-values.
When is this denominator equal to zero?
$4n^4+9=0$
impossible , then the domain of q is $(-\infty,\infty)$ i.e. $n\in\mathbb{R}$