**1.**

The domain is all values that t is allowed to be.
Since I can't divide by zero (division by zero isn't allowed,
I need to find all values of t that would cause division by zero.
The domain will then be all other t-values.
When is this denominator equal to zero?
$5t^4+4=0$
impossible , then the domain of n is $(-\infty,\infty)$ i.e. $t\in\mathbb{R}$