4.

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?
$t^2 - 16 = 0$
$t = \pm 4$ then the domain of v is $\{t \mid t \neq 4 \text{ or } -4\}$