5.

The domain is all values that y is allowed to be.
Since I can't divide by zero (division by zero isn't allowed,
I need to find all values of y that would cause division by zero.
The domain will then be all other y-values.
 When is this denominator equal to zero?

$y^2 - 29y + 100 = 0$

y=4 or 25 then the domain of t is $\{y \mid y \neq 4$ or $25\}$