3.

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

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

$m = 4$ or 25 then the domain of g is $\{m \mid m \neq 4 \text{ or } 25\}$