1.

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

$j^2 - 9j + 20 = 0$

j = 5 or 4 then the domain of g is $\{j \mid j \neq 5 \text{ or } 4\}$