2.

The domain is all values that e is allowed to be.
Since I can't divide by zero (division by zero isn't allowed,
I need to find all values of e that would cause division by zero.
The domain will then be all other e-values.
 When is this denominator equal to zero?
$e^2 - 12e + 27 = 0$
$e = 3$ or 9 then the domain of c is $\{e | e \neq 3$ or $9\}$