4.

The domain is all values that u is allowed to be.
Since I can't divide by zero (division by zero isn't allowed,
I need to find all values of u that would cause division by zero.
The domain will then be all other u-values.
 When is this denominator equal to zero?
$u^2 - 19u + 48 = 0$
u=3 or 16 then the domain of c is $\{u | u \neq 3 \text{ or } 16\}$