

3.

The domain is all values that g is allowed to be.

Since I can't divide by zero (division by zero isn't allowed,
I need to find all values of g that would cause division by zero.
The domain will then be all other g -values.

When is this denominator equal to zero?

$$g^2 - 17g + 16 = 0$$

$g = 1$ or 16 then the domain of k is $\{g \mid g \neq 1 \text{ or } 16\}$