

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?

$$e^2 - 25 = 0$$

$e = \pm 5$  then the domain of  $k$  is  $\{e \mid e \neq 5 \text{ or } -5\}$