

1.

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

Since I can't divide by zero (division by zero isn't allowed,
I need to find all values of k that would cause division by zero.

The domain will then be all other k -values.

When is this denominator equal to zero?

$$k^2 - 11k + 18 = 0$$

$k=2$ or 9 then the domain of y is $\{k \mid k \neq 2 \text{ or } 9\}$