5.

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 n is $\{k \mid k \neq 2 \text{ or } 9\}$