

4.

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?

$$k^2 - 9k + 20 = 0$$

$k = 5$ or 4 then the domain of v is $\{k \mid k \neq 5 \text{ or } 4\}$