

2.

The domain is all values that  $j$  is allowed to be.

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

The domain will then be all other  $j$ -values.

When is this denominator equal to zero?

$$j^2 - 9 = 0$$

$j = \pm 3$  then the domain of  $v$  is  $\{j \mid j \neq 3 \text{ or } -3\}$