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

The domain will then be all other  $\mathfrak{q} ext{-}\mathsf{values}$  . When is this denominator equal to zero?

q=3 or 9 then the domain of g is  $\{q \nmid q \neq 3 \text{ or } 9\}$ 

 $q^2 - 12 q + 27 = 0$ 

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