5.

The domain is all values that b is allowed to be.
Since I can't divide by zero (division by zero isn't allowed,
I need to find all values of b that would cause division by zero.
The domain will then be all other b-values.
 When is this denominator equal to zero?
$b^2 - 5b + 4 = 0$
$b = 4$ or 1 then the domain of w is $\{b \mid b \neq 4$ or $1\}$