2.

The domain is all values that d is allowed to be.
Since I can't divide by zero (division by zero isn't allowed,
I need to find all values of d that would cause division by zero.
The domain will then be all other d-values.
 When is this denominator equal to zero?
$d^2 - 20d + 64 = 0$
d=4 or 16 then the domain of w is $\{d \mid d \neq 4 \text{ or } 16\}$