

3.

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

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

The domain will then be all other x -values.

When is this denominator equal to zero?

$$x^2 - 21x + 80 = 0$$

$x = 5$ or 16 then the domain of w is $\{x \mid x \neq 5 \text{ or } 16\}$