1.

The domain is all values that s is allowed to be.
Since I can't divide by zero (division by zero isn't allowed,
I need to find all values of s that would cause division by zero.
The domain will then be all other s-values.
 When is this denominator equal to zero?

$s^2 - 14s + 45 = 0$

$s = 5$ or 9 then the domain of x is $\{s | s \neq 5$ or $9\}$