

1.

The domain is all values that  $y$  is allowed to be.

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

The domain will then be all other  $y$ -values.

When is this denominator equal to zero?

$$y^2 - 3y + 2 = 0$$

$y = 2$  or  $1$  then the domain of  $r$  is  $\{y \mid y \neq 2 \text{ or } 1\}$