

4.

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

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

The domain will then be all other a -values.

When is this denominator equal to zero?

$$a^2 - 4a + 3 = 0$$

$a = 3$ or 1 then the domain of e is $\{a \mid a \neq 3 \text{ or } 1\}$