5.

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?

$d^2 - 4 = 0$

$d = \pm 2$ then the domain of i is $\{d \mid d \neq 2 \text{ or } -2\}$