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.

 $d^2 - 6 d + 8 = 0$ 

The domain will then be all other d-values. When is this denominator equal to zero?

d=2 or 4 then the domain of i is  $\{d \mid d\neq 2 \text{ or } 4\}$ 

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