# Mathematical Review Discussion w/ Matt - Notes

## For help in constructing this mission:

If you have the problem, mathematical review should start off:

* This is how people have formalized the problem
  + If its image colorization – there’ll be some representation of this in a paper somewhere, a representation in equations that capture the problem
  + Part of the skill in the mathematical review, as these papers/documents will often have lots of mathematics in, is identifying the important relevant information
  + If you're able to formalize the problem, and if there’s alternative solutions to that problem, if you’re able to pull out the mathematical representation or just have some discussion around maybe the maths they used to derive the solutions, then this is probably enough to pass this mission.
  + Doing well sort of correlates to how deep you go into the maths
    - And how clear it is that you’ve understood the maths and shown that clearly.

As a first pass:

* Just think about:
  + The problem you’re working on have you formalized it?
  + And the solutions you’re exploring how people formalize these

After this:

* How what we’re doing fits within context of other solutions – this would be a nice discussion if you can say:
  + Okay there’s these different solutions
  + We’re actually using this
  + Perhaps tie into what’s happening in iterative development
    - Ie we’ve learnt some things from ID and our experiments and we’re now actually thinking of doing this….
    - Hence the processes is in part driven by the mathematical review
    - (this would be top marks stuff)
    - Just think about tying in the mathematical review with the project and it’ll be good