Acknowledgements

I have been on quite some journey in 'doing' this thesis, a journey that has involved juggling many balls-in-the-air. Throughout, my supervisor, Dr. Mary Webb, has been there to support me, for which I am very grateful.

Initially the work involved asking a number of schools to allow classes to participate in my research. To those schools, teachers and pupils, I offer my thanks.

The majority of this thesis could never have been written had it not been for NRICH (and AskNRICH). Many members of the NRICH team have been involved and to all I would like to say thank you. I would especially like to thank the three different NRICH directors who have been in post during the gestation of this thesis: Toni Beardon, Jennifer Piggott and Lynne McClure. In addition I need to give special thanks to Emma McCaughan, Moderator and Vicky Neale, Deputy Moderator, of AskNRICH who have acted as sounding boards and a conduit to the anonymous AskNRICHers. It is to the AskNRICHers themselves, especially 'Peter', that I must offer my most heartfelt thanks, for indeed without them there could be no thesis.

I would also like to acknowledge the unstinting support that I have had from the too-many-to-mention colleagues and friends from my Faculty in Cambridge and ITTE who have constantly shown an interest in my work and given time listening to my thoughts and ideas. Equally, throughout this time my many different sets of PGCE mathematics trainees have constantly enquired about my work, displaying an enthusiastic interest that spurred me on to write the next chapter. At long last I can tell them I have indeed submitted my thesis.

Finally, one person has literally been with me every step of the way, except when he has stepped into the kitchen to save my doing so, giving me additional time to concentrate on the enormous task in hand. Thus to Graham I say a simple thank you.