

MA241
Homework #6

1. Use Maple to draw a hexagonal prism: two parallel regular hexagons separated by a ring of six squares. Maple recognizes the function `sqrt()` for computing square roots.
2. My extensions for Stretching and Shrinking, #3, 4, 6, 8, 9.
3. Answer the following questions for the Teacher's Guide:
 - (a) State all the objectives and the NCTM standards once for the entire book; you don't have to do this for every individual investigation.
 - (b) Read Investigation 1, but you don't have to write out any solutions.
 - (c) Investigation 2 (use ordinary graph paper): Problem 2.3; (label your axes); Problem 2.3 Follow-Up; ACE problems 6, 7, 8, 14.
 - (d) Investigation 3 (make CAREFUL drawings): Problem 3.2A; Problem 3.3; ACE problem 3.
 - (e) Investigation 4: Problem 4.1A; Problem 4.4.
 - (f) Investigation 5: Problem 5.1 (be sure to do B with some actual object); Problem 5.2AB (do B with the same actual object from the previous problem); Problem 5.3ABC; ACE problems 14, 15.