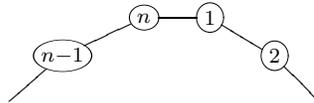


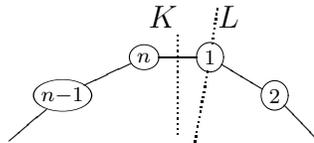
Math 3140: Homework 2

Due: Wednesday, September 12

- A. 4.3, 4.4, 4.6, 4.8
- B. 5.1, 5.4, 5.7, 5.10
- C. (a) Let X be a regular n -gon, with top



Consider two symmetries in D_n given by s reflects across K and t reflects across L ,



(s switches 1 and n , and t switches 2 and n). Show that s and t generate D_n .