

MIDTERM II, PART 2

MATH 3140

Due Wednesday April 6, 2011 at 1 PM in class.

Name | _____

Please answer the all of the questions, and show your work.
You may use your notes, your book, your homework, the practice exam, and nothing else.
Do NOT talk to anyone about this exam in any way.

1
5 points

1. Let D_n be the dihedral group with $n \geq 3$. Find $C(D_n)$, the commutator subgroup of D_n . [Hint: Consider the commutator of R and D . A problem on the practice exam may then help give you an idea of what direction to proceed.]