

MATH 341 — FALL 2011
ASSIGNMENT 3

September 9, 2010

Geometry for College Students by Martin Isaacs, page 17:

- 1D.1 Prove Theorem 1.7 by showing that quadrilateral $\square ABCD$ is a parallelogram if $AB \cong CD$ and $AD \cong BC$.
- 1D.3 Prove that the diagonals of a rectangle are congruent.
- 1D.4 Prove that a parallelogram having perpendicular diagonals is a rhombus.
- 1D.5 Prove that a parallelogram with equal diagonals is a rectangle.