Math 442 **Differential Geometry** Winter 2003
Assignment #10: Due Monday, 3/17/03

Remember: Final exam Thursday, March 20, 8:30-10:20am, Johnson 437. You may bring two $8\frac{1}{2}'' \times 11''$ one-sided pages (or one sheet written on both sides) of your own handwritten notes. No photocopied or printed material is allowed. You may not share notes with other students.

   I. **Reading:**

   - Read do Carmo, Section 3-3 (pages 153–165 *only*).

  II. **Practice problems:**

   1. do Carmo, Section 3-3 (pages 168–175), #1, 3, 15.

 III. **Required problems:**

   1. do Carmo, Section 3-3 (pages 168–175), #2.

   2. do Carmo, Section 3-3 (pages 168–175), #5.

   3. do Carmo, Section 3-3 (pages 168–175), #7 (skip part d).

   4. do Carmo, Section 3-3 (pages 168–175), #14.

   5. do Carmo, Section 3-3 (pages 168–175), #15.

   6. do Carmo, Section 3-3 (pages 168–175), #16.