

# DIFFERENTIAL GEOMETRY

## HOMEWORK 6

DUE MONDAY, MARCH 4, 2019

### THE ASSIGNMENT

We have been talking about the basics of the *global* differential geometry of curves. This material is talked about in Chapter 1 section 3 of Shifrin, and Chapter 1, section 1-7 of do Carmo. (There is other material in the global theory of curves in do Carmo, but it is in Chapter 5, because it is built up using the theory of surfaces!)

For a “Best Two” task this week, I will accept:

- From Shifrin, from §1.3 Exercises 1 through 8 or 14.
- From do Carmo, any exercise from §1-7.