

**Math 732: Knot Theory**  
**Asst. 10, due M., 4/25**

**Problems to submit**

You must submit 5 of the following; clearly indicate which ones you want me to grade. The first 3 are required. You are welcome to submit any others that you want me to provide feedback on.

1. (required) Find the Seifert graph for each of your knots.
2. (required) Cromwell 5.3
3. (required) Find the linking number for each of the following links by drawing a Seifert surface and computing an intersection number:

$8_{10}^2, 8_{14}^2$ , a link made from your two knots

4. (required) Find the bracket polynomial (see Adams, ch. 6) for each of your knots.

5-9. Cromwell 5.2, 5.6, 5.12\*, 5.14, 5.16