

Practice Final

Surfaces and Knots, Dave Bayer, May 13, 2002

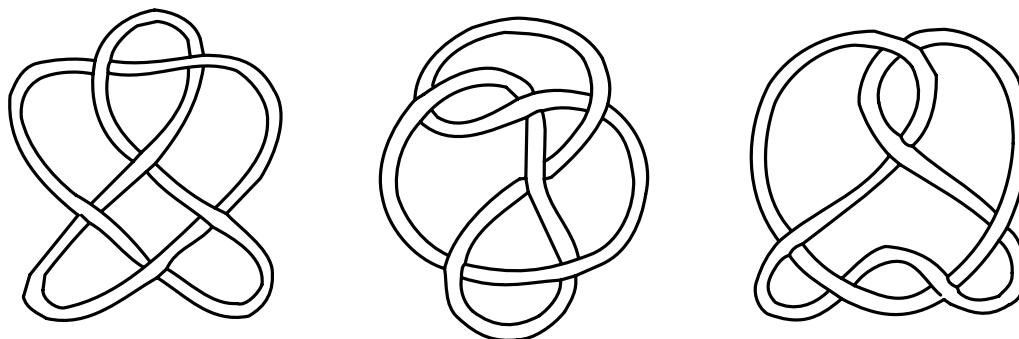
Name: _____ School: _____

| [1] | [2] | [3] | [4] | [5] | TOTAL |
|-----|-----|-----|-----|-----|-------|
| | | | | | |

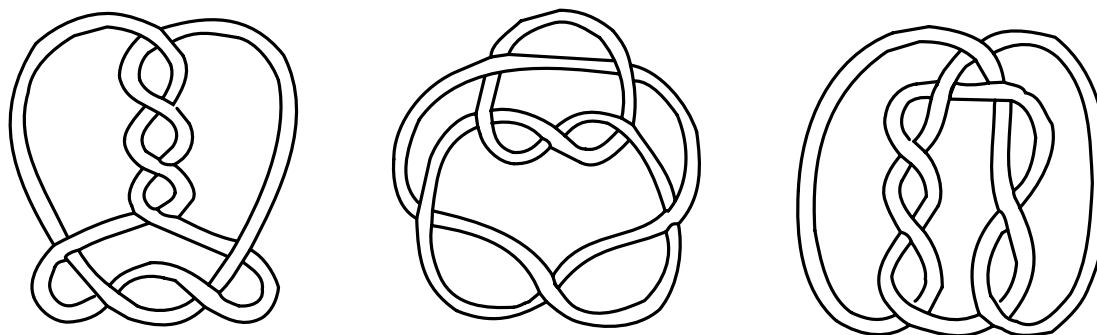
You may use scratch paper, but only this sheet will be graded; please present all answers on this sheet.

In addition to this final, you may optionally retake midterm 2. If you retake midterm 2, your score for midterm 2 will be the average of your scores on both tries, even if your score goes down. Do not retake midterm 2 unless you accept this risk.

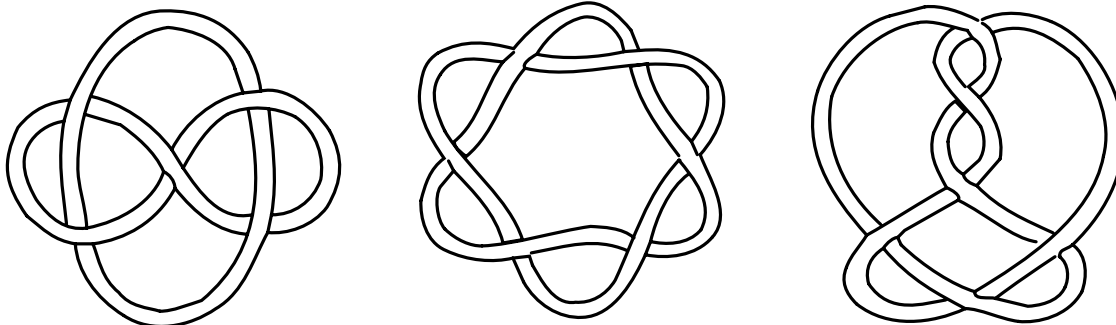
[1] Which of the following knots are 3-colorable? Show the 3-coloring(s).



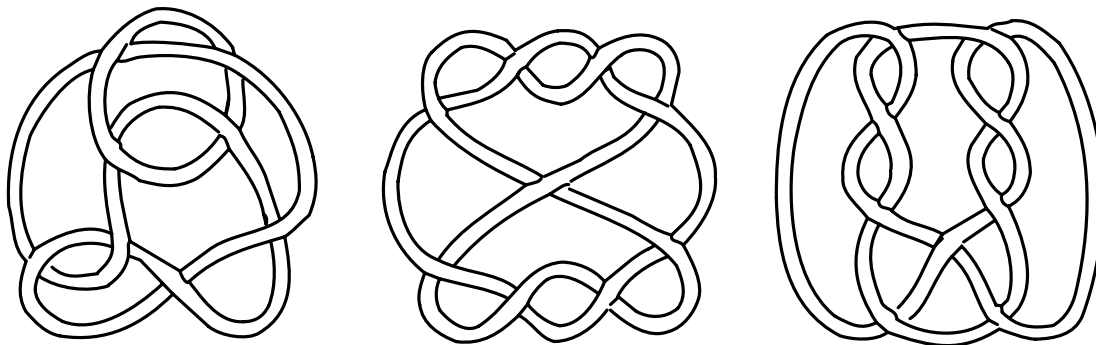
[2] Which of the following knots are 3-colorable? Show the 3-coloring(s).



[3] Computing the linking number between the components of each of the following links.



[4] Computing the linking number between the components of each of the following links.



[5] Classify the spanning surface shown for each of the following knots.

