

Not To Be Turned In

Name

For this homework set you are allowed to work with other members of either of the geometry classes. However, must cite everyone with whom you have discussed your problem.

In addition, you may **NOT** consult with anyone (except me) when you write your paper explaining your problem(s).

"I hate definitions". – Benjamin Disraeli, **Vivian Grey** (1826)

"I never know how much of what I say is true." — Bette Midler

Some two or three of these will be on Exam 2.

Remember that you may use any previous problem as part of the justification for your problem(s).

1. Prove Proposition 3.13 (*d*).
2. Prove Proposition 3.21 (*d*).
3. Prove Proposition 3.15.
4. Prove Proposition 3.20.
5. Do exercise 30.
6. Do exercise 35.