

Due April 4

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Name

Be sure to follow the “Writing Guidelines” handout when presenting your solutions.

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

*“Mathematicians do not study objects, but relations among objects; they are indifferent to the replacement of objects by others as long as relations do not change. Matter is not important, only form interests them.”*  
— Henri Poincaré

*“Simple solutions seldom are. It takes a very unusual mind to undertake analysis of the obvious.”* — Alfred North Whitehead

### Problems

- Understand all of the definitions and steps involved in Exercise 9 and Exercise 28 of Chapter 4.
- Present a **careful** proof of either Exercise 9 or Exercise 28 of Chapter 4.