

Math 366 Class Presentation

The presentation is worth 20% of your final grade in the course. It is a small group assignment, for groups of **two** or **three** students. The goal of the presentation is for each of you to teach the topics in part of a section of the textbook to the rest of the class.

Group of two. Write detailed lecture notes on the pages assigned, and use them to guide your presentation in class. Each person in the group should plan to spend approximately 10 to 15 minutes in front of the class. You may want to split the assigned pages, each student presenting half of the material, or you may choose to coordinate your presentation a different way, as long as each student spends adequate time presenting.

Group of three. Do the same as for a group of two, but in addition prepare lecture notes containing more examples to work on the board. (The number of examples depends on how long they are.) One of the three students should present these examples. These could be similar to exercises at the end of the section, but please do change the exercises a little (e.g. by changing the numbers) in case you choose an exercise that will be assigned for homework.

Timeline.

Points will be deducted for late work. Once chosen, it may not be possible to change dates of presentations. (You are welcome to exchange dates among yourselves, but please let me know if you do.)

- *One week before* your presentation, turn in a draft of your lecture notes. Include the names of all presenters. (Worth 20 points.)
- *On the day* of your presentation, turn in a final copy of your lecture notes (e.g. right after you finish the presentation). Include the names of all presenters. (The notes are worth 30 points, and the presentation is worth 50 points. Notes may be hand-written *neatly* or typeset.)

If there is not enough material on your assigned pages to fill up the required time, just supplement the material by choosing more examples to present (see directions for group of three). If there is too much material, you may choose to present just those parts that you feel are most important or interesting. In either case, feel free to discuss your choices with me in advance.

Available dates/textbook sections and pages

Feb 2 12-1 Congruence Through Constructions (pp. 747–55)

12-1 (pp. 755–63)

Feb 9 12-2 Other Congruence Properties (pp. 768–71)

12-2 (pp. 772–74)

Feb 16 12-4 Similar Triangles and Similar Figures (pp. 793–96)

Feb 23 12-4 (pp. 797–801)

12-5 Lines and Linear Equations (pp. 810–15)

Mar 2 12-5 (pp. 815–21)

12-5 (pp. 821–26)

Mar 9 13-1 Linear Measure (pp. 838–43)

13-1 (pp. 843–49)

Mar 23 13-3 Pythagorean Theorem, Distance Formula, Equation of Circle (pp. 876–82)

13-3 (pp. 882–87)

Mar 30 13-4 Surface Areas (pp. 894–97)

Apr 6 13-4 (pp. 897–900)

13-5 Volume, Mass, Temperature (pp. 906–10)

Apr 13 14-1 Translations and Rotations (pp. 937–41)

14-1 (pp. 942–46)

Apr 20 14-3 Size Transformations (pp. 967–73)

14-4 Symmetries (pp. 978–84)