

Group Presentation 2

Your group will present one of the topics below. Presentations will go in order 1-8 and should last **at most** 10 minutes. Not everyone in the group must present, but everyone must participate in some way. All group members will receive the same grade except members who do not participate, who will receive a zero. Your grade will be based on the presentation, and the group member task sheet, which is due on the day you present.

Topics are based on Section 11.2 in your textbook, and all problem numbers refer to that section. You may also want to refer to Sections 6.3 and 6.4 for a review of 2-dimensional vectors, which are covered in Math 42.

1. Define a vector in component form, the three standard unit vectors, and unit vector notation. (#12)
2. Define vector magnitude and how it relates to the distance formula (#26, 30)
3. Find a unit vector in a given direction (include an example)
4. Vector addition (include an example)
5. Vector scalar multiplication (include an example)
6. The dot product and the angle between two vectors (#42 or #44)
7. Orthogonal vectors (include an example)
8. Parallel vectors (#48, 50)