

#### ASSIGNMENT

Read the last part of section 12.2 for the homework.

- p. 676 29,37,41,47,49,51,53

#### TAKE-AWAYS

After reading this section, attending this class and doing this homework you should know

- how to find the parametric equation of a line given a point and a direction vector
- how to find the parametric equation of a line given two points
- how to determine if two lines are the same, intersect, are parallel but don't intersect or are skew
- what role  $t$  plays in the equation and how the equation comes about geometrically

#### OTHER STUFF