

## ASSIGNMENT

Read section 13.3 for the homework.

- p. 744 3,11,23,25

## TAKE-AWAYS

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

- how to find the (arc)length of a path
- how to find the arclength function
- how speed is related to velocity vectors
- what an arclength parameterization is good for and how you find one:
  - (1) compute the arclength function
  - (2) compute its inverse
  - (3) reparameterize the curve

You understand what these three steps mean, how you go about doing them and why you have to do them.