Assignment

Read section 12.3 for the homework.

- p. 684 13,21,29,41,43,53,59,73,86

Take-aways

More terminology but now with formulas!
Know

- THAT THE DOT PRODUCT OF TWO VECTORS IS A NUMBER
- how to find dot products algebraically (sum of products of components) and geometrically (product of lengths time cosine of the angle between them);
- what properties the dot product has (e.g., $\mathbf{v} \cdot \mathbf{w} = \mathbf{w} \cdot \mathbf{v}$) and why the properties are true;
- the formulas for components and projections and why they are true

Other stuff

In this class I'm going to ask to explain things in words. So, I list take-aways, you might consider writing responses to them in your own words.