

ASSIGNMENT

Read section 12.4 for the homework.

- p. 695 3,5,11,15,21,39,48

TAKE-AWAYS

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

- THAT THE CROSS PRODUCT OF TWO VECTORS IS A VECTOR
- how to describe the cross product in terms of magnitude and direction
- how to take determinants of 2×2 and 3×3 matrices
- how to take the cross product of two vectors in two different ways (i.e., the formula using determinants and the way that uses the standard basis vectors)
- how the cross product finds areas and volumes
- other properties of cross products (e.g., distributive, anti-commutative, not associative, etc).

OTHER STUFF