

Review Problems for Section 11.3.

11.3. Calculate a **unit** vector that is **perpendicular** to the vectors

$$a = (1,0,1) \quad \text{and} \quad b = (0,-1,1).$$

[Recall: a unit vector is one of length 1]

11.3. What is the angle determined by these two vectors?

11.3. Determine if the following three vectors are in the same plane:

$$a = (1,1,1), \quad b = (2,-1,1), \quad \text{and} \quad c = (-1,0,2).$$