- 1. $\begin{bmatrix} -2 & 2 & 4 \end{bmatrix} \times \begin{bmatrix} 0 & 2 & -1 \end{bmatrix}$
- 2. $|| \begin{bmatrix} 4 & -3 & 2 \end{bmatrix} ||$
- 3. What is the angle between the following two vectors (in radians)? $\begin{bmatrix} -1 & 3 & 3 \end{bmatrix}$, $\begin{bmatrix} 3 & -4 & -2 \end{bmatrix}$
- 4. || $\begin{bmatrix} 0 & 0 & -1 \end{bmatrix}$ ||
- 5. What is the relationship between the following two vectors? $\begin{bmatrix} 2 & 4 & -1 \end{bmatrix}, \begin{bmatrix} -2 & -5 & -3 \end{bmatrix}$
 - (a) They point in the same direction
 - (b) They point in opposite directions
 - (c) They are perpendicular
- 6. $\begin{bmatrix} 0 & -3 & 3 \end{bmatrix} + \begin{bmatrix} -2 & 0 & -5 \end{bmatrix}$
- 7. $\begin{bmatrix} -4 & 0 & -5 \end{bmatrix} \cdot \begin{bmatrix} -1 & -5 & 0 \end{bmatrix}$
- 8. Normalize $\begin{bmatrix} -3 & 0 & 3 \end{bmatrix}$