

MATH 114, Fall 2016. Assignment 2

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Problem 1. Find the angle between the vectors $\begin{bmatrix} \sqrt{3} \\ 1 \end{bmatrix}$ and $\begin{bmatrix} -\sqrt{3} \\ 1 \end{bmatrix}$

$$\cos \theta = \frac{-2}{2 * 2}$$

$$\cos \theta = \frac{-1}{2}$$

$$\arccos \frac{-1}{2}$$

$$90^\circ \text{ or } \frac{\pi}{2}$$

Problem 2.