

Attendance Quiz 21

Name: _____ Date : _____

1. Determine whether the set $\left\{ \begin{bmatrix} -\frac{2}{3} \\ \frac{1}{3} \\ \frac{2}{3} \end{bmatrix}, \begin{bmatrix} \frac{1}{3} \\ \frac{2}{3} \\ 0 \end{bmatrix} \right\}$ of vectors is orthonormal. If a set is only

orthogonal, normalize the vectors to produce an orthonormal set.