

Math 4133 - Linear Algebra

Quiz #18 - 2013.03.13

Name: _____

Let \mathbf{S}_2 be the standard basis for \mathbb{R}^2 , and let $\mathbf{B} = \{\langle 1, -1 \rangle, \langle 1, 1 \rangle\}$.

1. Write the vector $\langle 2, 3 \rangle_{\mathbf{B}}$ in terms of the standard basis \mathbf{S}_2

2. Write the vector $\langle 2, 3 \rangle$ in terms of the basis \mathbf{B}