

Group _____ Scribe _____

Other group members _____

Group Quiz for Section 3.6

Let $\mathcal{B} = (1, x, x^2)$ and let $\mathcal{B}' = (1, x, \frac{3}{2}x^2 - \frac{1}{2})$ in $\mathcal{P}_2(\mathbb{R})$. Find the change of basis matrices $[\mathbf{I}]_{\mathcal{B}, \mathcal{B}'}$ and $[\mathbf{I}]_{\mathcal{B}', \mathcal{B}}$.