

MATH 203-01&03 (Kunkle), Quiz 7  
10 pts, Take-home

Name: \_\_\_\_\_  
Due 5:00pm, Mar 27, 2023

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1 (10 pts). Find the coordinates of the vector  $\mathbf{x} = \begin{bmatrix} 17 \\ 35 \\ -6 \end{bmatrix}$  relative to the basis

$$B = \left\{ \begin{bmatrix} 1 \\ 2 \\ -1 \end{bmatrix}, \begin{bmatrix} 1 \\ 1 \\ -2 \end{bmatrix}, \begin{bmatrix} 3 \\ 6 \\ -1 \end{bmatrix} \right\}$$