

Linear Algebra: Homework 1

Due on February 26, 2018 at 8:30am

Dr. Olga Ilie

Alessandro Romanelli

$$x_1 \begin{pmatrix} u_1 \\ u_2 \\ u_3 \end{pmatrix} + x_2 \begin{pmatrix} v_1 \\ v_2 \\ v_3 \end{pmatrix} + x_3 \begin{pmatrix} w_1 \\ w_2 \\ w_3 \end{pmatrix} = \begin{pmatrix} i_1 \\ i_2 \\ i_3 \end{pmatrix}$$
$$\begin{bmatrix} x_{11} & x_{12} & x_{13} \\ x_{21} & x_{22} & x_{23} \\ x_{31} & x_{32} & x_{33} \end{bmatrix} \begin{bmatrix} x_{11} \\ x_{21} \\ x_{31} \end{bmatrix} = \begin{bmatrix} x_{11} \\ x_{21} \\ x_{31} \end{bmatrix}$$