

Section 3.5

Identity matrix

$$\text{If } A = \begin{bmatrix} a & b \\ c & d \end{bmatrix}$$

If A and B are the same size and invertible,

If the  $n \times n$  matrix A is invertible,

$$A = \begin{bmatrix} 4 & 7 \\ 3 & 6 \end{bmatrix} \quad b = \begin{bmatrix} 10 \\ 5 \end{bmatrix}$$

$$\begin{bmatrix} 1 & 3 & 2 \\ 2 & 8 & 3 \\ 3 & 10 & 6 \end{bmatrix}$$

$$A = \begin{bmatrix} 7 & 6 \\ 8 & 7 \end{bmatrix} \quad B = \begin{bmatrix} 2 & 0 & 4 \\ 0 & 5 & -3 \end{bmatrix}$$