Subtraction of matrices   Sheet 4

Subtract the following matrices:

Let $A = \begin{bmatrix} 3 & 8 \\ 6 & -1 \end{bmatrix}$ and $B = \begin{bmatrix} -7 & -11 \\ 3 & 2 \end{bmatrix}$. Find A-B.

Let $A = \begin{bmatrix} 6 & -3 & -2 \\ 1 & \dfrac{-2}{3} & 8 \\ 11 & 21 & 9 \end{bmatrix}$ and

Let $A = \begin{bmatrix} 5 & -7 & 6 \\ 2 & 8 & 9 \\ 11 & -17 & 27 \end{bmatrix}$ and

Let $A = \begin{bmatrix} 21 & 15 \\ -17 & 32 \end{bmatrix}$ and $B = \begin{bmatrix} 19 & -2 \\ -33 & 28 \end{bmatrix}$. Find A-B.

Answer key

Subtraction of matrices

Sheet 4

$$\begin{bmatrix} 10 & 19 \\ 3 & -3 \end{bmatrix}$$

$$\begin{bmatrix} 2 & -11 & -7 \\ -11 & -1 & 25 \\ 6 & 15 & 1 \end{bmatrix}$$

$$\begin{bmatrix} 4 & 6 & 2 \\ 4 & -26 & -1 \\ 16 & -19 & 24 \end{bmatrix}$$

$$\begin{bmatrix} 2 & 17 \\ 16 & 4 \end{bmatrix}$$