

## Addition of matrices

Find the sum of matrices:

$$\text{Let } A = \begin{bmatrix} \frac{1}{2} \\ -6 \\ 28 \\ -18 \end{bmatrix} \text{ and } B = \begin{bmatrix} \frac{3}{2} \\ -13 \\ -47 \\ 27 \end{bmatrix}. \text{ Find } A+B.$$

$$\text{Let } A = [3 \quad 17 \quad -5 \quad 21 \quad 4]$$

$$\text{Let } A = \begin{bmatrix} -8 \\ -18 \\ 12 \\ -4 \end{bmatrix} \text{ and } B = \begin{bmatrix} 10 \\ 24 \\ -32 \\ 5 \end{bmatrix}$$

$$\text{Let } A = \begin{bmatrix} 36 & 24 \\ 26 & 5 \\ 3 & 5 \\ 17 & -7 \\ -3 & 16 \end{bmatrix} \text{ and } B = \begin{bmatrix} -12 & 26 \\ -29 & 7 \\ 48 & -17 \end{bmatrix}. \text{ Find } A+B.$$

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Answer key

Addition of matrices

Sheet 8

$$\begin{bmatrix} 2 \\ -19 \\ -19 \\ 9 \end{bmatrix}$$

$$[0 \ 29 \ 18 \ 13 \ 16]$$

$$\begin{bmatrix} 2 \\ 6 \\ -20 \\ 1 \end{bmatrix}$$

$$\begin{bmatrix} 23 & -2 \\ 43 & -34 \\ -9 & 31 \\ -12 & 0 \\ 45 & -1 \end{bmatrix}$$

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