

Student Name: \_\_\_\_\_

Score: \_\_\_\_\_

## Addition and Subtraction of Matrices

Sheet 8

Let  $A = \begin{bmatrix} 8 & 6 & 7 & 2 & \frac{1}{3} \\ -1 & 4 & 5 & -9 & 12 \end{bmatrix}$  and  $B = \begin{bmatrix} 7 & -5 & 9 & 4 & \frac{1}{5} \\ 32 & 7 & 6 & 9 & 17 \end{bmatrix}$ . Find  $A+B$ .

Let  $A = [4 \ 13 \ 27 \ 16]$  and

Let  $A = \begin{bmatrix} 2 & 7 \\ -3 & -27 \\ 32 & 19 \\ 3 & -4 \\ 17 & 8 \end{bmatrix}$  and  $B$

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Let  $A = \begin{bmatrix} -6 & 2 & -7 & 1 & 2 \\ 3 & -4 & 6 & -11 & 17 \end{bmatrix}$  and  $B = \begin{bmatrix} 1 & 3 & 4 & 12 & 6 \\ -5 & 13 & 2 & -1 & 9 \end{bmatrix}$ . Find  $A+B$ .

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Answer key

Addition and Subtraction of Matrices

Sheet 8

$$\begin{bmatrix} 15 & 1 & 16 & 6 & \frac{8}{15} \\ 31 & 11 & 11 & 0 & 29 \end{bmatrix}$$

$$[11 \quad -19 \quad 16 \quad 25]$$

$$\begin{bmatrix} -1 & 2 \\ -36 & -51 \\ 21 & 10 \\ 8 & -10 \\ 3 & 3 \end{bmatrix}$$

$$\begin{bmatrix} -5 & 5 & -3 & 13 & 8 \\ -2 & 9 & 8 & -12 & 26 \end{bmatrix}$$

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