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  $A = [4 \ 13 \ 27 \ 16]$  an

## **PREVIEW**

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

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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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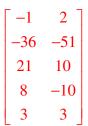
**Answer key** 

**Addition and Subtraction of Matrices** 

Sheet 8

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

[11 -19 16 25]



\[ \begin{pmatrix} -5 & 5 & -3 & 13 & 8 \\ -2 & 9 & 8 & -12 & 26 \\ \end{pmatrix} \]



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