

Matrices

Name: _____

Date: _____

Basic Matrix Operations

1) $2[7 \ 8 \ 4 \ -5] - [4 \ 20 \ -9 \ -8]$

2) $-4x[3x \ 10y^2 \ 2x \ 10]$

3) $-7m[2m \ 3n^2 \ 4m \ 9]$

4) $5[4 \ 3 \ 2 \ -6] - [8 \ 16 \ -4 \ -4]$

5) $[-10p - 4 \ -7p \ -8q] - [4q \ -12 \ -8p]$

6) $4[7 \ 8 \ 4 \ -3] - [3 \ 38 \ -3 \ -6]$

7) $5[4 \ 3 \ 2 \ -6] - [8 \ 16 \ -4 \ -4]$

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Name: _____

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Basic Matrix Operations

$$\begin{aligned} 1) \quad & 2[7 \quad 8 \quad 4 \quad -5] - [4 \quad 20 \quad -9 \quad -8] \\ & [10 \quad -4 \quad 17 \quad -2] \end{aligned}$$

$$\begin{aligned} 2) \quad & -4x[3x \quad 10y^2 \quad 2x \quad 10] \\ & [-12x^2 \quad -40y^2 \quad -8x^2 \quad -40x] \end{aligned}$$

$$\begin{aligned} 3) \quad & -7m[2m \quad 3n^2 \quad 4m \quad 9] \\ & [-14m^2 \quad -21mn^2 \quad -28m^2 \quad -63m] \end{aligned}$$

$$\begin{aligned} 4) \quad & 5[4 \quad 3 \quad 2 \quad -6] - [8 \quad 16 \quad -4 \quad -4] \\ & [12 \quad -1 \quad 14 \quad -26] \end{aligned}$$

$$\begin{aligned} 5) \quad & [-10p - 4 \quad -7p \quad -8q] - [4q \quad -12 \quad -8p] \\ & [-10p - 4 - 4q \quad -7p + 12 \quad -8q + 8p] \end{aligned}$$

$$\begin{aligned} 6) \quad & 4[7 \quad 8 \quad 4 \quad -3] - [3 \quad 38 \quad -3 \quad -6] \\ & [25 \quad -6 \quad 19 \quad -6] \end{aligned}$$

$$\begin{aligned} 7) \quad & 5[4 \quad 3 \quad 2 \quad -6] - [8 \quad 16 \quad -4 \quad -4] \\ & [12 \quad -1 \quad 14 \quad -26] \end{aligned}$$
