

Matrices

Name: _____

Date: _____

Basic Matrix Operations

1) $-5([3 \quad -6 \quad 3] + [4 \quad 3 \quad 2])$

2) $-2a[2a \quad 3b^2 \quad 3a \quad 2]$

3) $[-4a - 7 \quad -6a \quad -10b] - [4b \quad -10 \quad -10a]$

4) $3[4 \quad 3 \quad 2 \quad -4] - [2 \quad 10 \quad -4 \quad -5]$

5) $-10([4 \quad -2 \quad 3] + [2 \quad 1 \quad 7])$

6) $[-8m - 4 \quad -3m \quad -10n] - [6n \quad -10 \quad -4m]$

7) $[-4a - 3 \quad -3a \quad -6b] - [3b \quad -8 \quad -6a]$

Matrices

Name: _____

Date: _____

Basic Matrix Operations

1) $-5([3 \quad -6 \quad 3] + [4 \quad 3 \quad 2])$

$$[-35 \quad 15 \quad -25]$$

2) $-2a[2a \quad 3b^2 \quad 3a \quad 2]$

$$[-4a^2 \quad -6ab^2 \quad -6a^2 \quad -4a]$$

3) $[-4a - 7 \quad -6a \quad -10b] - [4b \quad -10 \quad -10a]$

$$[-4a - 7 - 4b \quad -6a + 10 \quad -10b + 10a]$$

4) $3[4 \quad 3 \quad 2 \quad -4] - [2 \quad 10 \quad -4 \quad -5]$

$$[10 \quad -1 \quad 10 \quad -7]$$

5) $-10([4 \quad -2 \quad 3] + [2 \quad 1 \quad 7])$

$$[-60 \quad 10 \quad -100]$$

6) $[-8m - 4 \quad -3m \quad -10n] - [6n \quad -10 \quad -4m]$

$$[-8m - 4 - 6n \quad -3m + 10 \quad -10n + 4m]$$

7) $[-4a - 3 \quad -3a \quad -6b] - [3b \quad -8 \quad -6a]$

$$[-4a - 3 - 3b \quad -3a + 8 \quad -6b + 6a]$$
