

Scalar Multiplication with Matrices
02/29/2012

Student Name: _____

Class: _____

Date: _____

Instruc.4ons:

3. Multiply the matrix by the scalar.

$$9 \begin{bmatrix} -1 & 3 \\ 2 & 3 \end{bmatrix}$$

A. $\begin{bmatrix} 1 & -3 \\ -2 & 8 \\ 12 & -4 \end{bmatrix}$

B. $\begin{bmatrix} -4\frac{1}{4} & -3\frac{1}{4} \\ 4 & 4 \end{bmatrix}$

C. $\begin{bmatrix} 1 & -2 & 12 \\ -3 & 8 & -4 \end{bmatrix}$

D. $\begin{bmatrix} -4\frac{1}{4} & -3\frac{1}{2} & -7 \\ -3\frac{1}{4} & -6 & -3 \end{bmatrix}$

4. Multiply the matrix by the scalar.

$$9 \begin{bmatrix} 1 & 9 \\ 0 & 3 \\ -3 & -1 \end{bmatrix}$$

A. $\begin{bmatrix} 9 & 81 \\ 0 & 27 \\ -27 & -9 \end{bmatrix}$

B. $\begin{bmatrix} 81 \\ 0 \\ 27 \end{bmatrix}$

C. $[0 \ -243]$

D. $\begin{bmatrix} 10 & 18 \\ 9 & 12 \\ -6 & -8 \end{bmatrix}$