Name:

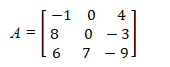
Date:

School:

Facilitator:

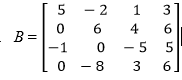
2.05 Introduction to Matrices (34 Points)

**Given the following matrix, determine the appropriate element.**





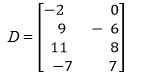
**Determine the order of each matrix below.**

1. 

Order =

1. C equals the 1 by 4 row matrix Column-: 1 negative 5 Column-: 2 0 Column-: 3 1 Column-: 4 negative 4

Order =

1. 

Order =

**Given the following matrices, match the matrix with the appropriate term. You may have more than one matrix for each term, so list all that apply.**

A equals the 3 by 1 column matrix 4 negative 3 0  **B equals the 2 by 2 matrix Row-: 1 0 0 Row-: 2 negative 1 0 C equals the 3 by 3 matrix Row-: 1 46 negative 18 2 Row-: 2 43 8 6 Row-: 3 negative 19 0 negative 5 D equals the 1 by 3 row matrix 0 0 0 E equals the 2 by 3 matrix Row-: 1 3 negative 6 9 Row-: 2 negative 7 0 negative 5**

1. Column Matrix:
2. Zero Matrix:
3. Row Matrix:
4. Square Matrix:

**Given each matrix, multiply each by its scalar.**

A equals the 3 by 1 column matrix 4 negative 3 0 **B equals the 2 by 2 matrix Row-: 1 0 0 Row-: 2 negative 1 0** **C equals the 3 by 3 matrix Row-: 1 46 negative 18 2 Row-: 2 43 8 6 Row-: 3 negative 19 0 negative 5** **D equals the 1 by 3 row matrix 0 0 0** **E equals the 2 by 3 matrix Row-: 1 3 negative 6 9 Row-: 2 negative 7 0 negative 5**

1. 4*D* =
2. −2*A* =
3. 7*E* =
4. 2C =