

Class 1

Form 4 - **Matrices**

$$A = \begin{pmatrix} -1 & 12 \\ 2 & 8 \end{pmatrix} \quad B = \begin{pmatrix} 0 & 9 \\ 3 & 2 \end{pmatrix} \quad C = \begin{pmatrix} 4 \\ 2 \end{pmatrix} \quad D = (-2 \quad 1 \quad 1) \quad E = \begin{pmatrix} 0 \\ -2 \end{pmatrix}$$

1. What is the order of each of the matrices above?

2. Name the

- a. Row Matrix
- b. Square Matrices
- c. Column Matrices

3. Find the value (where possible) of

- a. $A + B$
- b. $3A - C$
- c. $A - \frac{1}{3}B$
- d. $C - E$

4. Research:

- a. What is an Identity Matrix?
- b. What is a Null Matrix?
- c. What is Matrix Multiplication?