



Identify row, column, square, zero, and identity matrices

- 1 Identify the dimensions of this matrix

$$\begin{bmatrix} 8 & 3 \\ 6 & 2 \\ 3 & 0 \end{bmatrix}$$

A 3×2

B 4×0

C 5×2

D 2×3

E 4×3

F 3×0

- 2 Identify what type this matrix is
 $\begin{bmatrix} 6 & 9 & 6 & 6 \end{bmatrix}$

A Row

B Column

C Upper Triangular

D Lower Triangular

E Diagonal

F Zero

- 3 Identify what type this matrix is

$$\begin{bmatrix} 7 & 0 & 0 & 0 \\ 3 & 6 & 0 & 0 \\ 5 & 8 & 8 & 0 \\ 6 & 3 & 7 & 8 \end{bmatrix}$$

A Diagonal

B Lower Triangular

C Zero

D Upper Triangular

E Identity

F Row

- 4 Identify what type this matrix is

$$\begin{bmatrix} 3 \\ 6 \\ 0 \\ 9 \\ 3 \end{bmatrix}$$

A Identity

B Row

C Column

D Lower Triangular

E Upper Triangular

F Diagonal

- 5 Identify what type this matrix is

$$\begin{bmatrix} 9 & 0 & 0 & 0 & 0 \\ 0 & 1 & 0 & 0 & 0 \\ 0 & 0 & 6 & 0 & 0 \\ 0 & 0 & 0 & 1 & 0 \\ 0 & 0 & 0 & 0 & 5 \end{bmatrix}$$

A Diagonal

B Upper Triangular

C Lower Triangular

D Zero

E Column

F Row

- 6 Identify what type this matrix is

$$\begin{bmatrix} 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 \end{bmatrix}$$

A Column

B Identity

C Zero

D Row

E Upper Triangular

F Lower Triangular

- 7 Identify what type this matrix is

$$\begin{bmatrix} 1 & 0 & 0 \\ 0 & 1 & 0 \\ 0 & 0 & 1 \end{bmatrix}$$

A Row

B Lower Triangular

C Upper Triangular

D Identity

E Zero

F Diagonal

- 8 Identify what type this matrix is

$$\begin{bmatrix} 2 \\ 6 \\ 5 \end{bmatrix}$$

A Column

B Identity

C Row

D Zero

E Diagonal

F Upper Triangular