



Math worksheet on 'Matrices - Identify Type (Level 1)'. Part of a broader unit on 'Matrices'

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1 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	Upper Triangular
b	Identity
c	Column
d	Diagonal
e	Zero
f	Row

2 Identify what type this matrix is

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

a	Identity
b	Row
c	Lower Triangular
d	Zero
e	Diagonal
f	Column

3 Identify what type this matrix is

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

a	Identity	b	Zero
c	Diagonal	d	Upper Triangular
e	Column	f	Row

4 Identify what type this matrix is

$$\begin{bmatrix} 5 & 0 & 0 \\ 0 & 9 & 0 \\ 0 & 0 & 3 \end{bmatrix}$$

a	Identity
b	Column
c	Diagonal
d	Upper Triangular
e	Lower Triangular
f	Row

5 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	Identity
b	Zero
c	Lower Triangular
d	Column
e	Upper Triangular
f	Row

6 Identify what type this matrix is

$$\begin{bmatrix} 6 & 9 & 6 & 6 \end{bmatrix}$$

a	Diagonal	b	Lower Triangular
c	Zero	d	Upper Triangular
e	Identity	f	Row

7 Identify what type this matrix is

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

a	Column
b	Zero
c	Identity
d	Diagonal
e	Row
f	Lower Triangular