



If $A = \begin{bmatrix} 3 & x \\ y & 0 \end{bmatrix}$ and $A = A^T$, then which of the following is correct

Solution :

Given : $A = \begin{bmatrix} 3 & x \\ y & 0 \end{bmatrix}$ and $A = A^T$

It is symmetric

$$\therefore x = y$$

A

$$x = 0, y = 3$$

B

$$x + y = 3$$

C

$$x = y$$

D

$$x = -y$$