## Answer on Question #57226 - Math - Calculus

The vertices for the hyperbola

A: True B: False

## Solution

Vertices of hyperbola must satisfy the equation but the points (1, 0) and (1, -6) does not satisfy the equation  $\frac{(x-1)^2}{25} - \frac{(y+3)^2}{9} = 1$ :

$$\frac{(1-1)^2}{25} - \frac{(-6+3)^2}{9} = -1 \neq 1,$$

$$\frac{(1-1)^2}{25} - \frac{(0+3)^2}{9} = -1 \neq 1.$$

Answer: B. False.