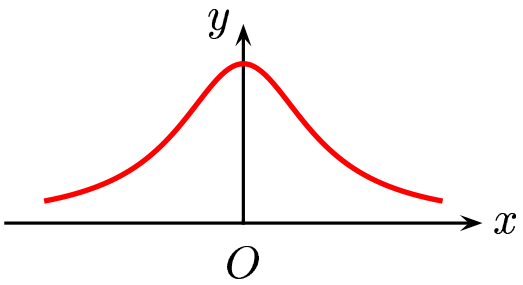
A traveling pulse is described by $y(x,t) = \dfrac{2}{(x+3t)^2+1}$. At $t = 0$, $y(x,0) = \dfrac{2}{x^2+1}$. The shape of $y(x,0)$ have been shown here,



As t increases, this pulse will maintain the same shape and it will move

A) to the right.
B) to the left.
C) remaining static.
D) It can not be determined.

At $t = 1$, the peak moves to $x = -3$. So the pulse is moving to the left. Answer **B**.