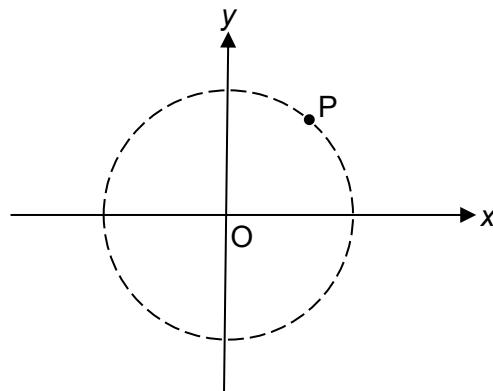
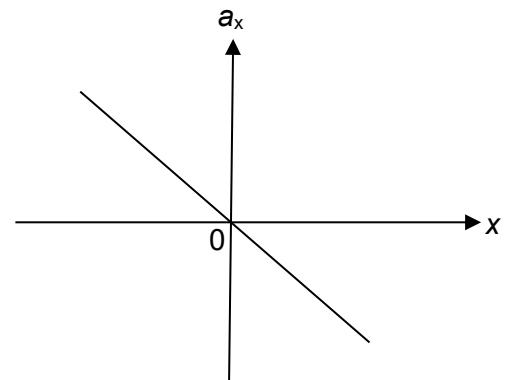
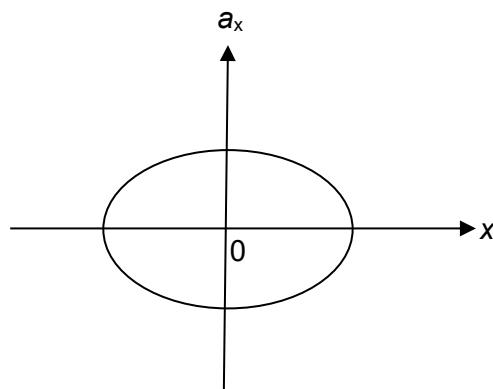


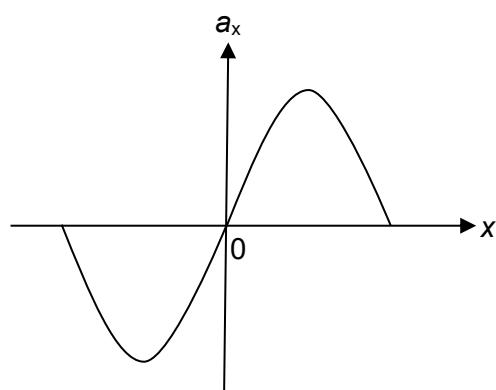
- 14 A particle P performs uniform circular motion about the origin O in the  $x$ - $y$  plane as shown below.



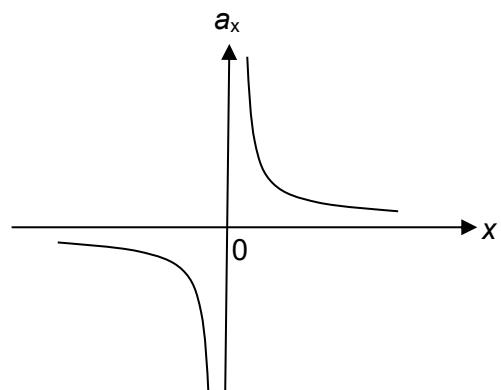
Which of the following graphs shows the relationship between the  $x$ -component of the acceleration  $a_x$  and the displacement in the  $x$ -direction?



**A**



**B**



**C**

**D**

