

The figure shows velocity vectors for four points on a noncircular path. Choose the correct order, from smallest to largest, of the centripetal accelerations at these points given

$$v_1 = v_4 \text{ and } v_2 = v_3.$$

A. $a_1 > a_4 > a_3 > a_2$

B. $a_2 > a_3 > a_4 > a_1$

C. $a_3 > a_2 > a_1 > a_4$

D. $a_2 > a_3 > a_1 > a_4$

