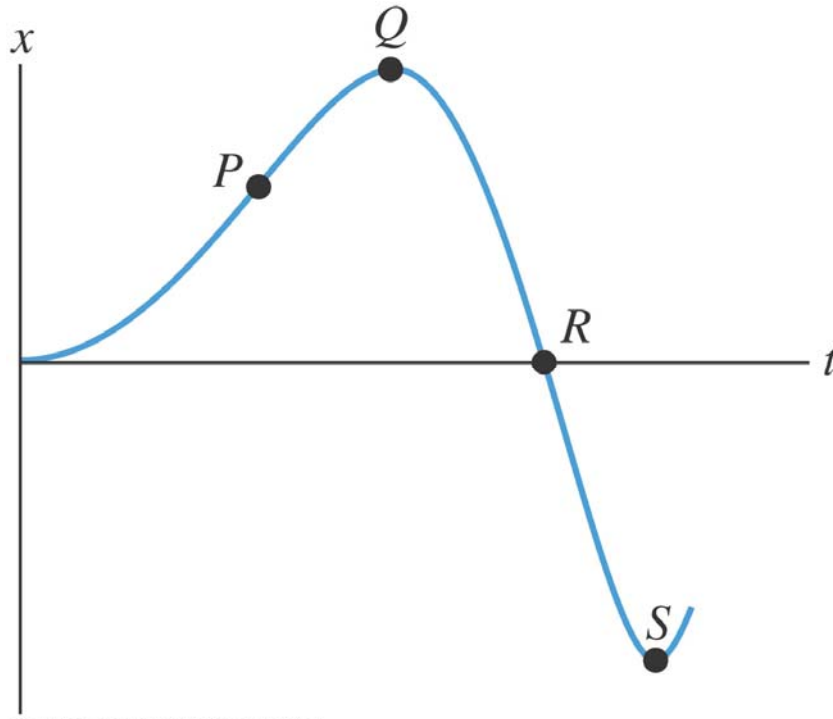


Q2.1

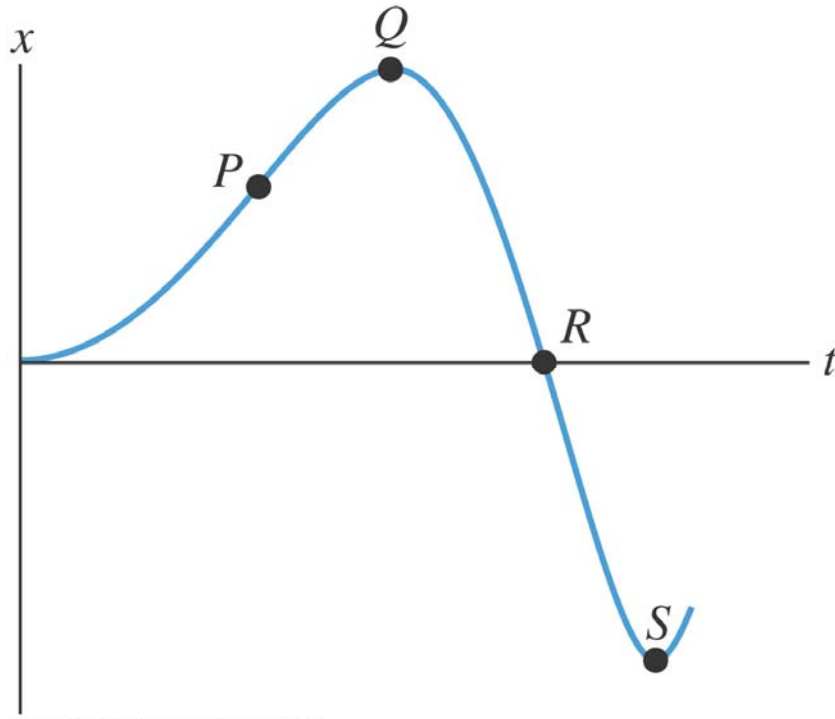


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This is the $x-t$ graph of the motion of a particle. Of the four points P , Q , R , and S , the velocity v_x is greatest (most positive) at

- A. point P . B. point Q . C. point R . D. point S .
- E. not enough information in the graph to decide

Q2.3



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This is the $x-t$ graph of the motion of a particle. Of the four points P , Q , R , and S , the acceleration a_x is greatest (most positive) at

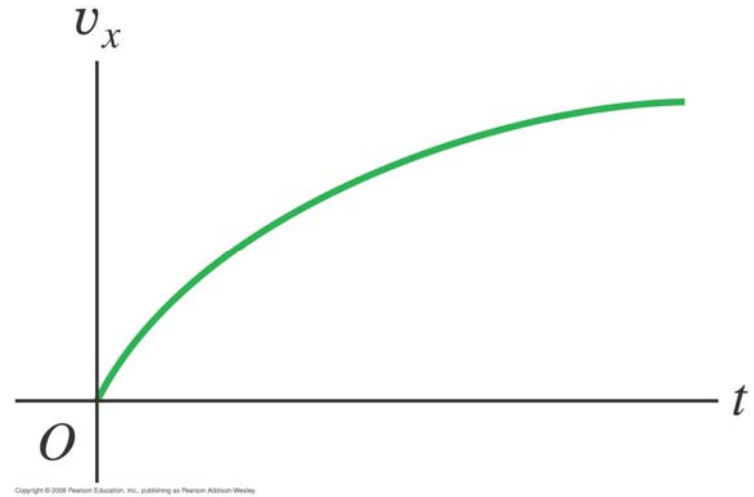
- A. point P .
- B. point Q .
- C. point R .
- D. point S .
- E. not enough information in the graph to decide

Q2.9



This is the v_x-t graph for an object moving along the x -axis.

Which of the following descriptions of the motion is most accurate?



- A. The object is slowing down at a decreasing rate.
- B. The object is slowing down at an increasing rate.
- C. The object is speeding up at a decreasing rate.
- D. The object is speeding up at an increasing rate.
- E. The object's speed is changing at a steady rate.