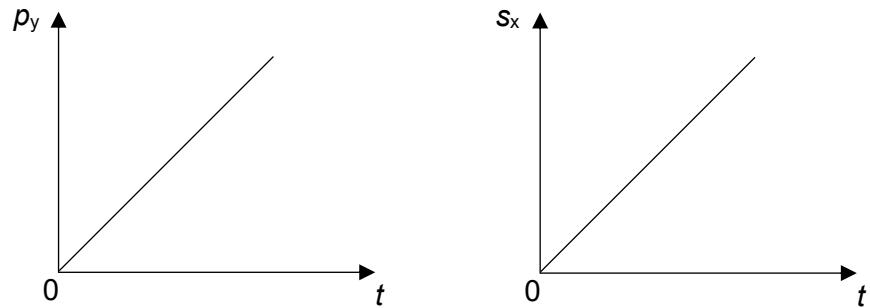


- 3 An object moves in the x - y plane. The graph on the left shows the variation with time t of the y -component of its momentum p_y and the graph on the right shows the variation with t of the x -component of its displacement s_x .



Which statement describes the motion of the object?

- A It is moving in a circular path.
- B It is moving in a parabolic path.
- C It is moving with simple harmonic motion.
- D It is moving with constant velocity in a straight line.