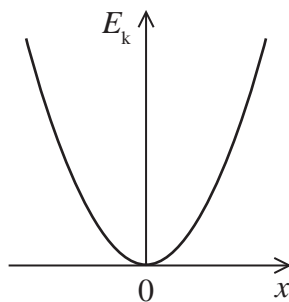
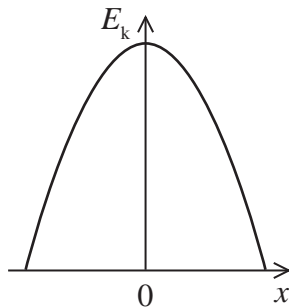


- 9 An object oscillates with simple harmonic motion. The object has kinetic energy E_k and displacement x .

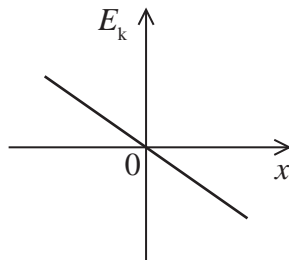
Which of the following graphs shows the variation of E_k with x for the object?



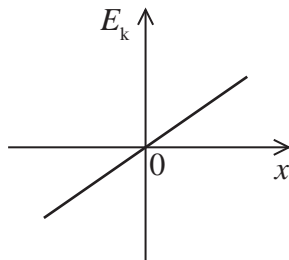
☐ A



☐ B



☐ C



☐ D

(Total for Question 9 = 1 mark)