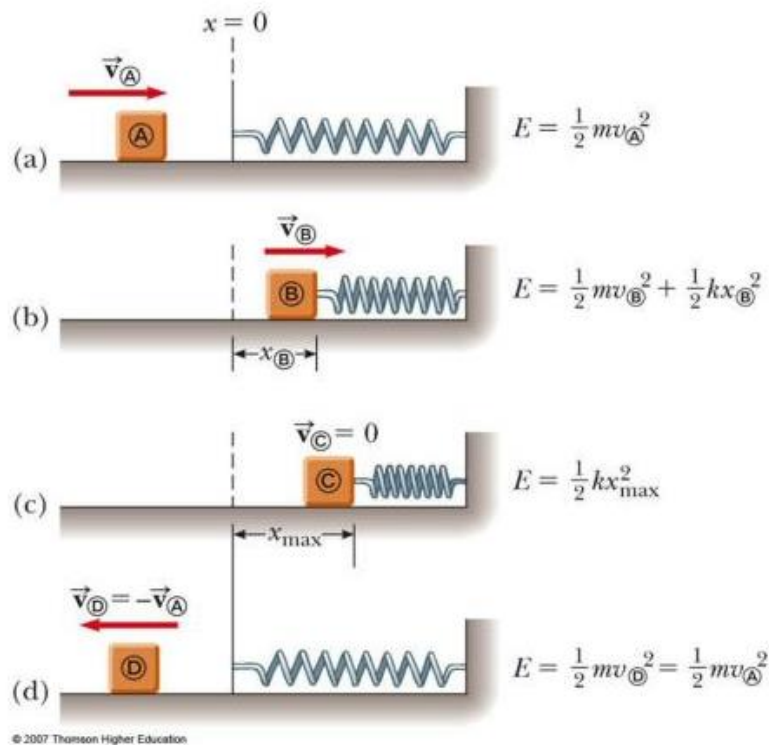# Block-Spring Collision – Lesson

Name: _____        Date: _____

A 0.8kg block is moving across a frictionless surface at 1.2 m/s towards an ideal spring (case a) below) with spring constant 50 N/m.

  a)  Calculate the maximum compression (case c) below).
  b)  Calculate the speed of the block when the block is compressed by 10 cm (case b) below).
  c)  After the block is compressed and then pushes the block back, calculate its speed as it leaves the block (case d) below).



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