

- 16** A horizontal force of 90 N is used to push a box across a horizontal floor. The frictional force on the box is 50 N.

What is the gain in kinetic energy of the box when it is moved through a distance of 6.0 m?

- A** 240 J                      **B** 300 J                      **C** 540 J                      **D** 840 J

- 17** A cyclist is capable of generating an average power of 2.0 kW during a 4.0 km speed trial. His