

Physics 10154 - Quiz 6A

A 12.4-kg block, starting from rest, is pulled up a rough inclined surface by an applied force of 103 Newtons directed parallel to the incline. After the block has travelled 2.17 meters up the incline, its speed is 3.13 m/s.

- a) Determine the work done by the force of kinetic friction in this problem.
- b) Determine the coefficient of kinetic friction between the block and the surface.

