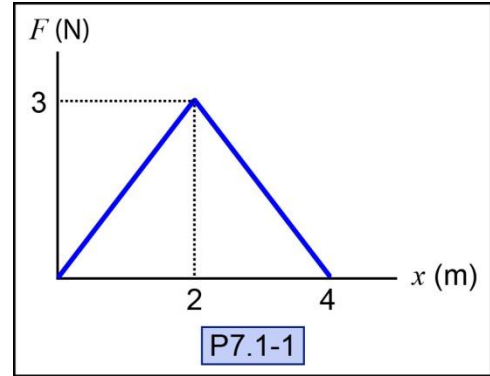


P7.1-1)^{fe} A horizontal force pushes a particle along a horizontal surface. The force varies with the particle's displacement as shown in the graph. Determine the work done by this force between $x = 0$ and 4 m.

Given:



Find:

Solution:

Determine the work done by the force between 0 and 4 m.

In words, explain how you will calculate the work.

Work = _____

Calculate the work.

$U =$ _____