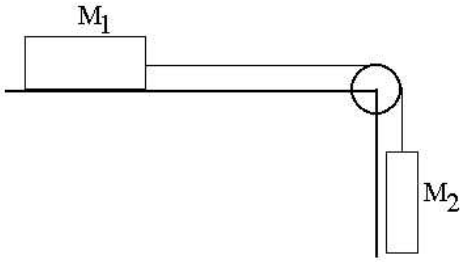
6-2)



Block One with mass 2 kg slides 0.75 m to the right at constant speed across a rough table while Block Two (mass = 1.2 kg) moves 0.75 m downward. The wheel is massless and frictionless and the string is 'light.'

a) Find the work done on Block One by the weight.
b) Find the work done on Block One by the tension in the string.
c) Find the work done on Block One by the normal force.
d) Find the work done on Block One by the frictional force.
e) Find the work done on Block Two by the weight.
f) Find the work done on Block Two by the tension in the string.
g) Find the total work done on Block One.
h) Find the total work done on Block Two.