4. A 60 kg mass is pulled up a rough incline with a constant speed of 1.5 m/s. The pulling force is 400 N parallel to the incline, which makes an angle of 30 degrees with the horizontal. Assume the coefficient of kinetic friction between the [illegible] is 0.40 and the mass is pulled a distance of 7.5 m. Determine the following:

(a) the work done by the [illegible] force on the mass

[illegible]

[illegible]

[illegible]

[illegible]

(b) the work done by the force of friction on the mass

[illegible]

[illegible]

[illegible]