**Physics 20 - Lesson 26**

**Work, Energy, Power**

/73

b)

a) work = area of a force-distance graph

1)



2)

Work is positive since the object is being raised

(i.e. the potential energy increases)



3)

b) down

a) up



4)

500 N

 20o



5)

/6

100 kg

6)



7)

c) Work on scaffold = work done by window washer

a)



b) From the diagram we see that the weight is distributed between the three ropes

**Kinetic / Potential Problems**

1)



2)



2830 m

h

3)



4)



5)



**Power**

1)



2)



3)



4)



5)

