- **Test on Monday 1st ,March 2015**

H.W Work:

Look at the diagram on the right.

a) What is the *name* given to force A?

....

b) What is the *name* given to force B?

....
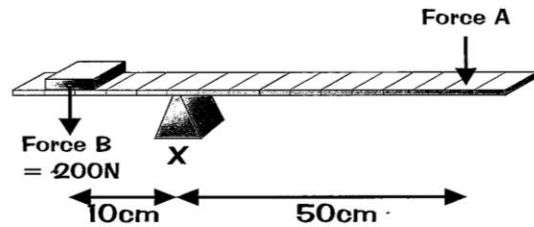
c) What is the *name* given to point X? ....

d) What is the *size* of the *load*? ....

e) What is the *distance* between the load and the pivot? ....

f) What is the *moment* of the load? (i.e. force × distance from pivot)..

....

g) If the moments from forces A and B are to balance, what must be the *moment* of the *effort?*

....

....

h) What *size* must the effort be to *lift* the load?

....

....

Mark on each diagram where the *loads, efforts* and *pivots* are. The first has been done for you as an example.