Hard Hydraulics and Levers Question
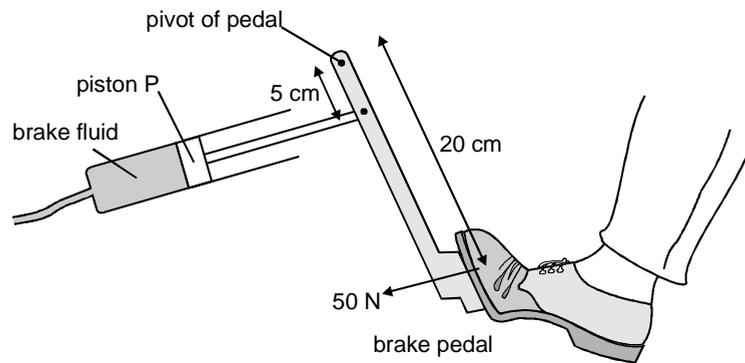
The diagram below shows the brake pedal used to operate the brakes in a car.
The foot applies a force of 50 N.

(i)   Calculate the force applied to the piston P. Give the unit.

(ii)   The brake fluid pushes another piston, Q, which is attached to the car's brakes.
        Piston Q has an area which is eight times larger than piston P.

        Calculate the force on the car's brakes. Give the unit.

(iii)   If the driver's foot moves 10cm, what is the work done by the driver?

(iv)   How far does piston P move when the driver's foot moves 10cm?

(v)   How far does piston Q move when the driver's foot moves 10cm?