



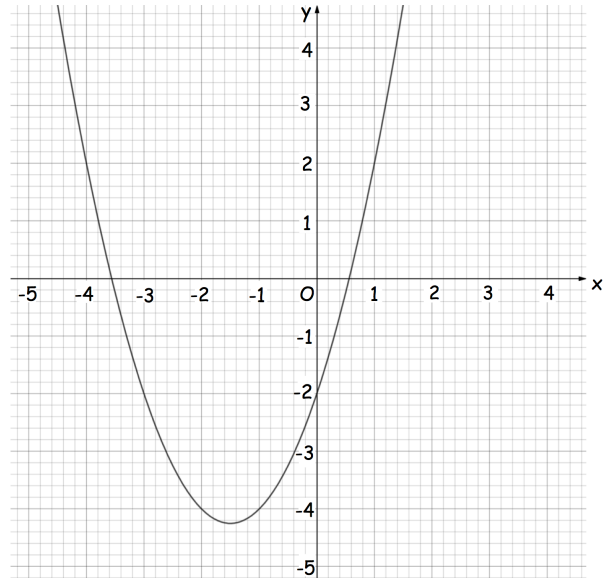
Solve the simultaneous equations

$$x^2 + y^2 = 10$$

$$x - y - 2 = 0$$

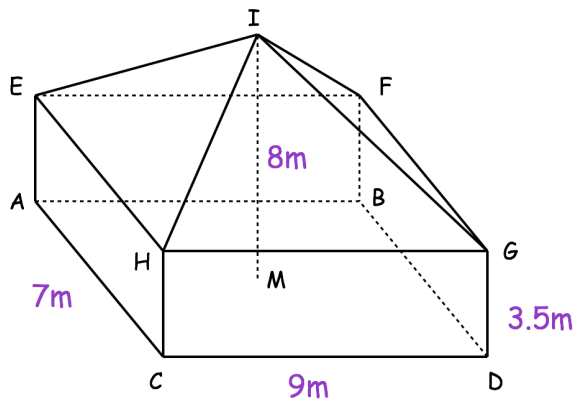
The graph of $y = f(x)$ is shown

Write down the value of $f(-3)$



Find the average rate of change of y with respect to x between $x = 0$ and $x = 1$

The diagram below shows a tent, made from a cuboid and a pyramid.
The apex of the pyramid, I , is directly above the base, M , of $ABDC$.



Work out the volume of the tent.

Find the size of angle ADE