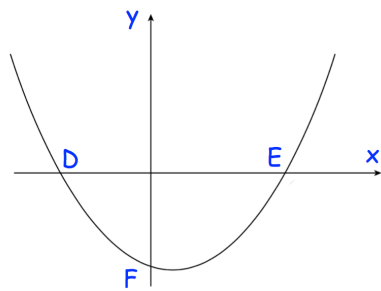
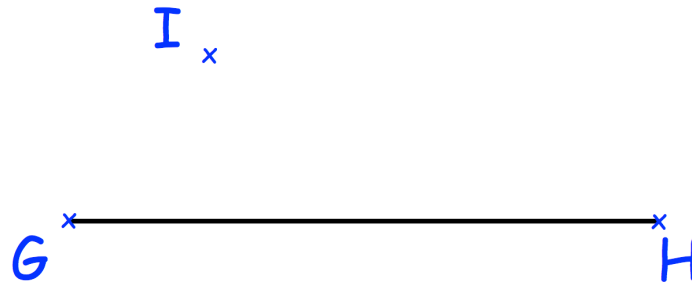


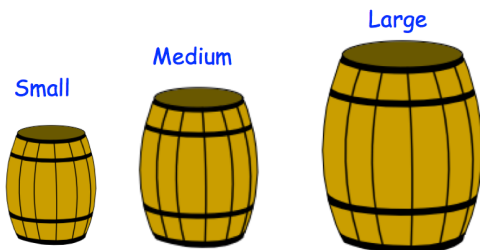


Using a ruler and compasses, construct the perpendicular from the line GH to the point I.



Shown is the graph  $y = 3x^2 - 10x - 25$

Find the coordinates D, E and F



Complete the table.

	Height	Capacity
Small	24 inches	100 litres
Medium	30 inches	
Large		240 litres

Simplify

$$\frac{9x^2 - 1}{3x^2 - 13x + 4}$$