

Exercise 1 :

Find the position of center of gravity of plane sections shown in Figure 1.

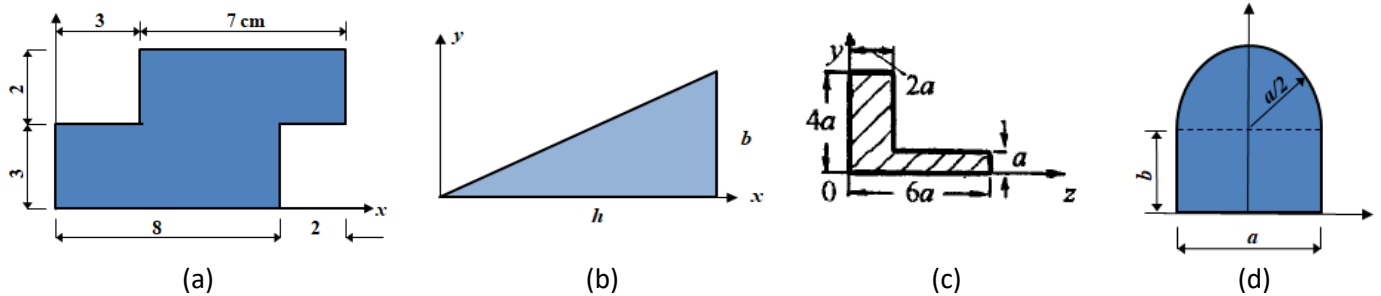


Figure 1

Exercise 2 :

Calculate the moment of inertia about horizontal and vertical gravity axes of surfaces shown in Figure 2.

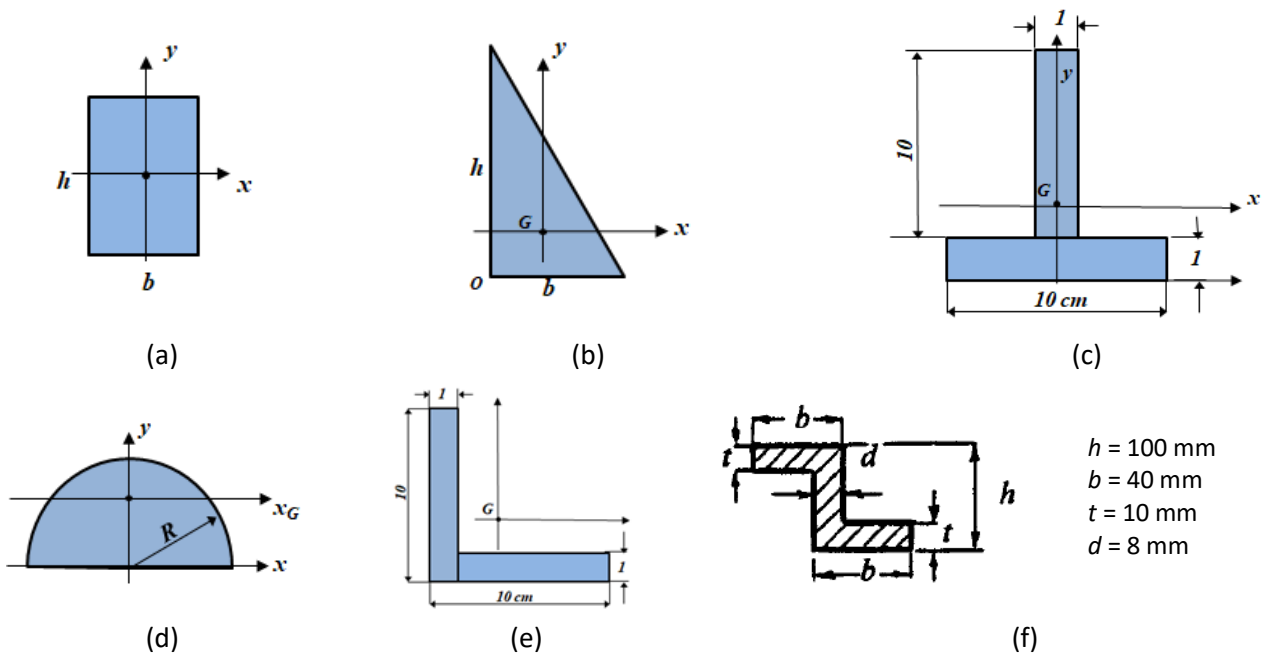


Figure 2

Exercise 4:

Find the position of center of gravity of the hatched surface in Figure 3.

Determine the moment of inertia about horizontal and vertical axes (x and y).

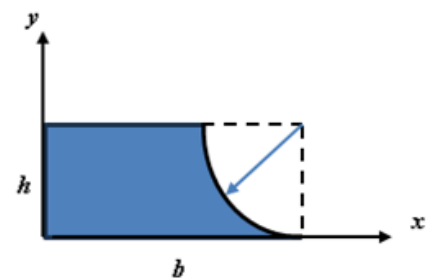


Figure 3