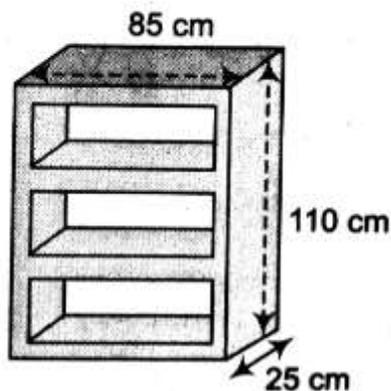


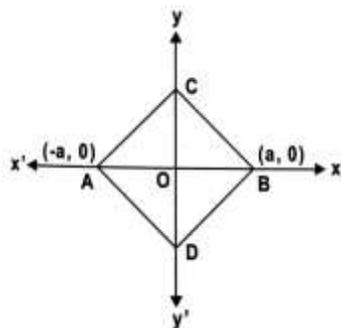
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3. A wooden bookshelf has external dimensions as follows: Height = 110 cm, Depth = 25 cm, Breadth = 85 cm. The thickness of the plank is 5 cm everywhere. The external faces are to be polished and the inner faces are to be painted. If the rate of polishing is 20 paise per cm^2 and the rate of painting is 10 paise per cm^2 , then find the total expenses for polishing and painting the surface area of the bookshelf:



- (a) Rs. 3820
(b) Rs. 4530
(c) Rs. 5270
(d) Rs. 6390

-
4. In the given graph, triangle ABC and triangle ABD are equilateral triangles. Find the respective co-ordinates of points C and D:



- (a) $(0, a\sqrt{3})$ $(0, a\sqrt{3})$
(b) $(0, -a\sqrt{3})$ $(0, a\sqrt{3})$
(c) $(0, a\sqrt{3})$ $(0, -a\sqrt{3})$
(d) $(a\sqrt{3}, 0)$ $(-a\sqrt{3}, 0)$

