

Mathematical Problem Solving

AS/A Level example

Example 20

In this question you must show detailed reasoning.

Fig. 1 shows the circle with equation $(x - 3)^2 + (y - 4)^2 = 25$. The point C is the centre of the circle.

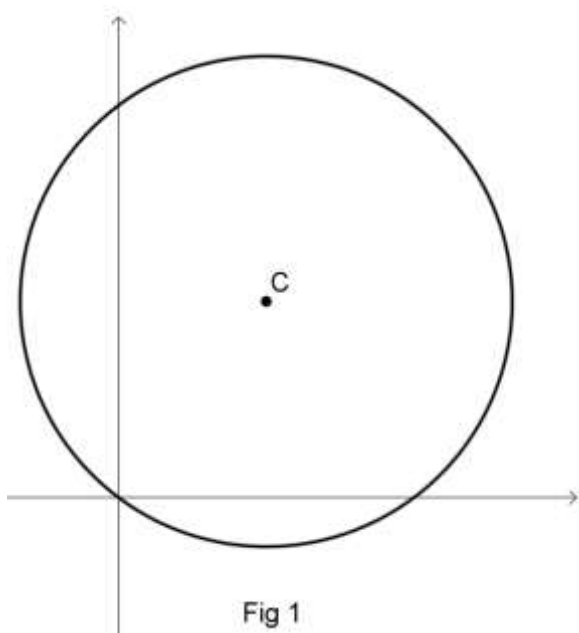


Fig 1

Find the area of the part of the circle that is below the x -axis.