

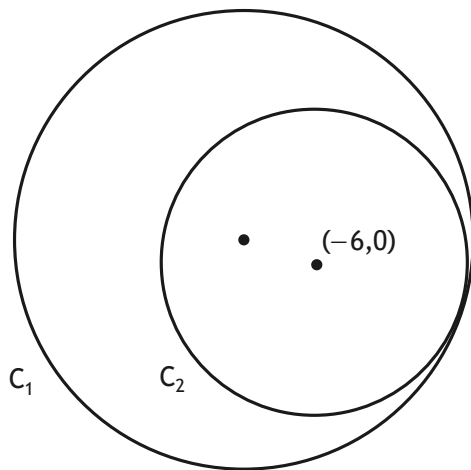
10. The circle C_1 has equation $x^2 + y^2 + 18x - 2y - 8 = 0$.

(a) Find the centre and radius of C_1 .

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A second circle, C_2 , touches C_1 internally.

The centre of C_2 is $(-6, 0)$.



(b) Determine the equation of C_2 .

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