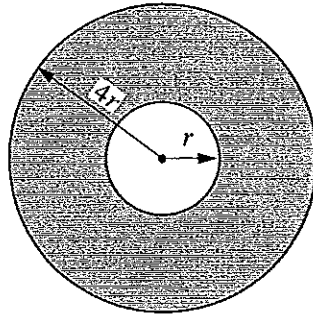# IGCSE – Area of a circle

May 02 Paper 2

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NOT TO SCALE

Two circles have radii r cm and $4r$ cm.
Find, in terms of π and r.

(a) the area of the circle with radius $4r$ cm,

Answer (a) .... cm^2 [1]

(b) the area of the shaded ring,

Answer (b) .... cm^2 [1]

(c) the total length of the inner and outer edges of the shaded ring.

Answer (c) .... cm [2]