

Mark schemes

Q1.

16

B1

[1]

Q2.

$\frac{1}{2}$

B1

[1]

Q3.

2

B1

[1]

Q4.

(a) Circle drawn, centre (0, 0), radius 4

B1

(b) $x^2 + y^2 = 16$ or $x^2 + y^2 = 4^2$
oe

B1

[2]

Q5.

(a) $x^2 + y^2 = 9$

B1

(b) (-3, 4)

B1

(c) T
T F

B1 for 2 correct and 1 incorrect or incomplete

B2

[4]