

Fill in the Blanks

Radius and Diameter of a Circle

Each circle has a diameter AB , a centre C and a radius r

Point A	Point B	Gradient of AB	Equation of AB	Centre C	Radius r	Equation of Circle
(3, 4)	(-3, -4)				5	$x^2 + y^2 = 25$
(0, 5)	(6, -3)					
(4, 0)				(2, -1)		
	(2, -2)			(4, 2)		
(-12, 4)						$(x + 9)^2 + y^2 = 25$
		1		(1, -1)	$\sqrt{2}$	
			$y = 3x - 17$	(4, -5)	$\sqrt{10}$	
			$y = \frac{3}{4}x - \frac{9}{4}$			$(x + 1)^2 + (y + 3)^2 = 100$