Fill In The Blanks...

Equation of a Circle

Equation in Factorised Form	Equation in Expanded Form	Centre of Circle	Radius of Circle
$(x+2)^2 + (y+5)^2 = 9$	$x^2 + y^2 + 4x + 10y + 20 = 0$	$(-2,-5)$	3
$(x-3)^2 + (y+2)^2 = 25$	$x^2 + y^2 - 6x + 4y - 12 = 0$	$(3,-2)$	5
$x^2 + (y-1)^2 = 4$	$x^2 + y^2 - 2y - 3 = 0$	$(0,1)$	2
$(x+1)^2 + (y-4)^2 = 100$	$x^2 + y^2 + 2x - 8y - 83 = 0$	$(-1,4)$	10
$(x+6)^2 + y^2 = 25$	$x^2 + y^2 + 12x + 11 = 0$	$(-6,0)$	5
$(x-4)^2 + (y-2)^2 = 15$	$x^2 + y^2 - 8x - 4y + 5 = 0$	$(4,2)$	$\sqrt{15}$
$(x+1)^2 + (y+3)^2 = 16$	$x^2 + y^2 + 2x + 6y - 6 = 0$	$(-1,-3)$	4
$(x-4)^2 + (y+5)^2 = 81$	$x^2 + y^2 - 8x + 10y - 40 = 0$	$(4,-5)$	9
$\left(x-\dfrac{1}{2}\right)^2 + \left(y-\dfrac{3}{2}\right)^2 = 4$	$x^2 + y^2 - x - 3y - \dfrac{3}{2} = 0$	$\left(\dfrac{1}{2},\dfrac{3}{2}\right)$	2
$\left(x-\dfrac{5}{2}\right)^2 + (y-6)^2 = \dfrac{49}{4}$	$x^2 + y^2 - 5x - 12y + 30 = 0$	$\left(\dfrac{5}{2},6\right)$	$\dfrac{7}{2}$