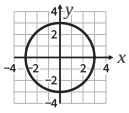
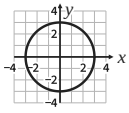


a Find the radius of $x^2 + y^2 = 50$. Give it as a surd in its simplest form. $5\sqrt{2}$ a radius as a simplified surd	b A circle has centre (0, 0) and diameter 10. Find its equation. $x^2 + y^2 = 25$ the equation from a diameter	c Find the radius of $2x^2 + 2y^2 = 18$ 3 dividing to find r^2	d Find its equation  $x^2 + y^2 = 9$ an equation from a drawn circle
e Find the area inside $x^2 + y^2 = 36$. Give your answer in terms of π . 36π the area from the equation	f Find where $y = x$ meets $x^2 + y^2 = 18$ $(3, 3), (-3, -3)$ a line through the centre	g Find the equation of the tangent to $x^2 + y^2 = 25$ at (0, 5) $y = 5$ a tangent at the top: horizontal	h A circle with centre (0, 0) touches the line $x = 6$. Find its equation. $x^2 + y^2 = 36$ a circle touching a line
i Find the tangent to $x^2 + y^2 = 25$ at (3, 4) in the form $ax + by = c$ $3x + 4y = 25$ a tangent written as $ax + by = c$	j Find where the tangent to $x^2 + y^2 = 5$ at (2, 1) meets the x axis $(2.5, 0)$ where a tangent meets an axis	k $(p, 2p)$ lies on $x^2 + y^2 = 20$. Find the positive value of p . $p = 2$ a point given with a letter	l Find where $y = x + 1$ meets $x^2 + y^2 = 13$ $(2, 3), (-3, -2)$ a line meets a circle: a quadratic

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