(a)	Find the radius of the circle and the coordinates of C .
The	noint P(1-2) lies on the circle
	point $P(1, 2)$ lies on the circle. Show that the equation of the tangent to the circle at P is $4y = 3x + 5$.
	point $P(1, 2)$ lies on the circle.
	point $P(1, 2)$ lies on the circle. Show that the equation of the tangent to the circle at P is $4y = 3x + 5$.
	point $P(1, 2)$ lies on the circle. Show that the equation of the tangent to the circle at P is $4y = 3x + 5$.
	point $P(1, 2)$ lies on the circle. Show that the equation of the tangent to the circle at P is $4y = 3x + 5$.
	point $P(1, 2)$ lies on the circle. Show that the equation of the tangent to the circle at P is $4y = 3x + 5$.
	point $P(1, 2)$ lies on the circle. Show that the equation of the tangent to the circle at P is $4y = 3x + 5$.
	point $P(1, 2)$ lies on the circle. Show that the equation of the tangent to the circle at P is $4y = 3x + 5$.
	point $P(1, 2)$ lies on the circle. Show that the equation of the tangent to the circle at P is $4y = 3x + 5$.
	point $P(1, 2)$ lies on the circle. Show that the equation of the tangent to the circle at P is $4y = 3x + 5$.
	point $P(1, 2)$ lies on the circle. Show that the equation of the tangent to the circle at P is $4y = 3x + 5$.

The point Q also lies on the circle and PQ is parallel to the x-axis. (c) Write down the coordinates of Q. [2] The tangents to the circle at P and Q meet at T. (d) Find the coordinates of T. [3]