VARIOUS FORMS OF EQUATIONS OF TANGENTS IN CIRCLE

$$x^2 + y^2 = a^2$$

	Point	Equation of Tangent
Point Form	(x_1, y_1)	$xx_1 + yy_1 = a^2$
Slope Form	$\left(\mp\frac{ma}{\sqrt{1+m^2}}, \pm\frac{a}{\sqrt{1+m^2}}\right)$	$y = mx \pm a\sqrt{1+m^2}$
Parametric Form	$(a\cos\theta, a\sin\theta)$	$x\cos\theta + y\sin\theta = a$