

You can show that the distance d from the centre (0, 0) to (6, -1) is greater than the radius.



 $d > r \text{ as } \sqrt{37} > \sqrt{25}.$





Therefore, the slope of the tangent: $m = +\frac{3}{1} = 3$

Parallel lines have the same slope.

Equation of parallel tangent: Point $(x_1, y_1) = b(3, -1), m = 3$

The equation of a line is a formula satisfied by every point (x, y) on the line.

Equation of a line: $y - y_1 = m(x - x_1)$

 $y - y_1 = m(x - x_1)$ \Rightarrow y - (-1) = 3(x - 3) \Rightarrow y+1=3x-9 $\therefore 3x - y - 10 = 0$