

**Advanced Higher Maths**  
**SQA 2016 Exemplar**  
**Question 6**



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The equation  $x^4 + y^4 + 9x - 6y = 14$  defines a curve passing through the point  $A(1,2)$ .

Find the equation of the tangent to the curve at A.

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Answer:

$$2y = -x + 5$$