



SCAN ME

# Equation of a Tangent

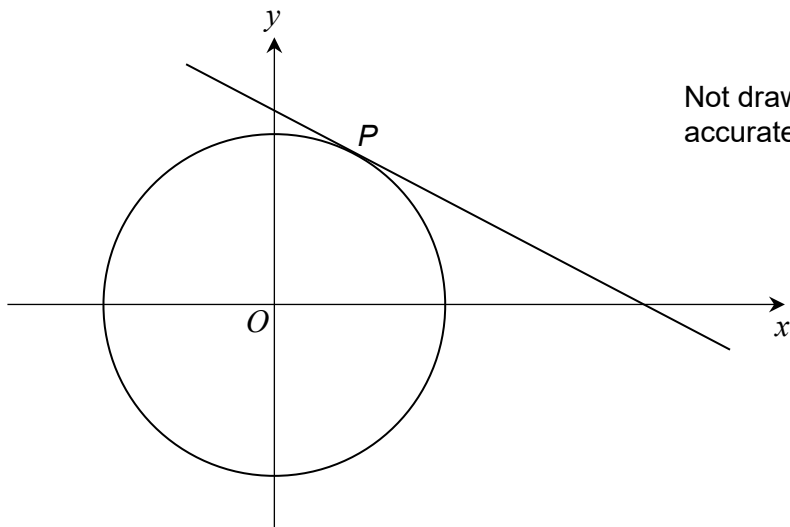


SCAN ME

REVISE THIS TOPIC

CHECK YOUR ANSWERS

1  $P(2, 4)$  is a point on a circle, centre  $O$ .



Work out the equation of the tangent to the circle at  $P$ .  
Give your answer in the form  $y = mx + c$

[4 marks]

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Answer \_\_\_\_\_

$\frac{\quad}{4}$







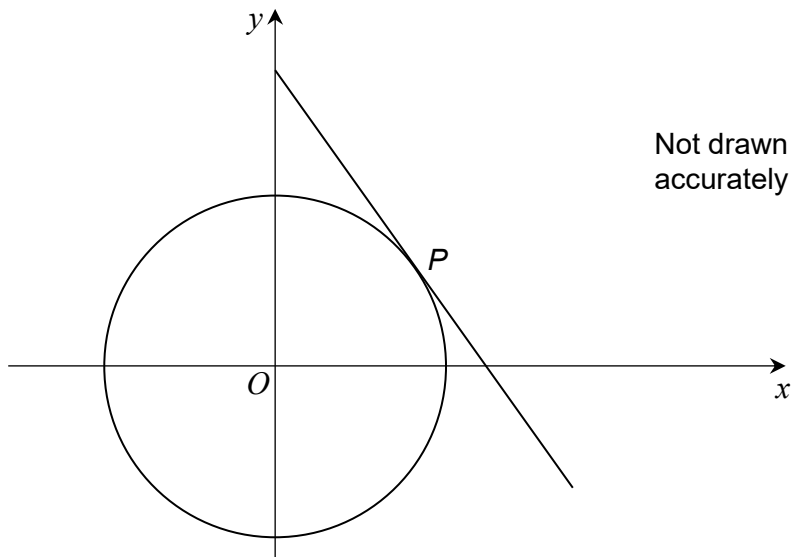








7  $P$  is a point on the circle with equation  $x^2 + y^2 = 117$   
 $P$  has coordinates  $(9, k)$ , where  $k > 0$



Work out the equation of the tangent to the circle at  $P$ .  
Give your answer in the form  $y = mx + c$

[5 marks]

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Answer \_\_\_\_\_

$\frac{\quad}{10}$

Turn over ►

















