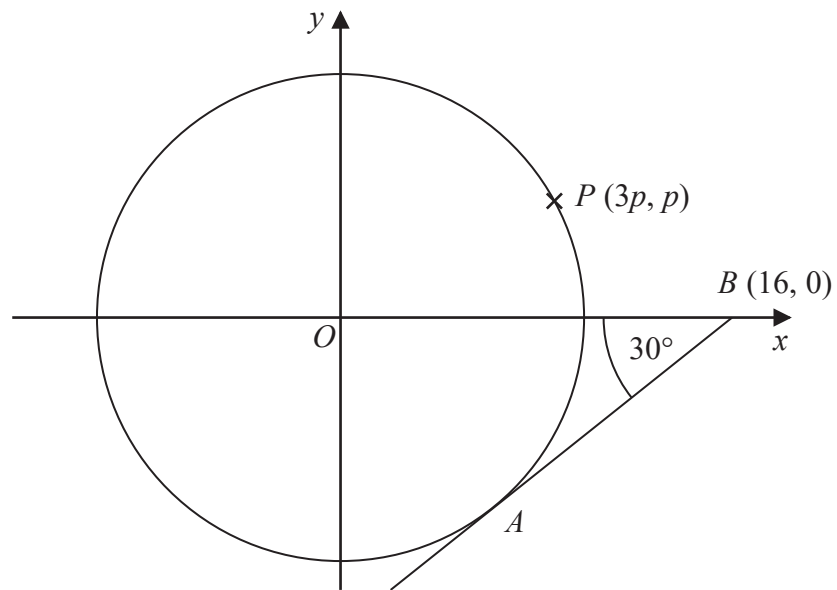


22 The diagram shows a circle, centre  $O$ .



$AB$  is the tangent to the circle at the point  $A$ .  
Angle  $OBA = 30^\circ$

Point  $B$  has coordinates  $(16, 0)$

Point  $P$  has coordinates  $(3p, p)$

Find the value of  $p$ .

Give your answer correct to 1 decimal place.

You must show all your working.

$p = \dots\dots\dots$

(Total for Question 22 is 4 marks)

DO NOT WRITE IN THIS AREA

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