Q1.

The gradient of line *OR* is $\dfrac{7}{4}$

PQ is perpendicular to *OR*.
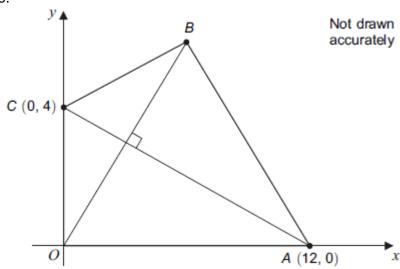*P* is the point (14, 0).

Not drawn accurately

Work out the equation of line *PQ*.
Give your answer in the form $ax + by = c$, where a, b and c are integers.

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Answer ....

(Total 4 marks)

Q2.

OABC is a kite.

(a)   Work out the equation of *AC*.

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                Answer...

(2)

(b)   Work out the coordinates of *B*.

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Answer (......................... , ...)

(6)
(Total 8 marks)