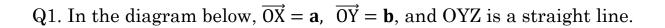
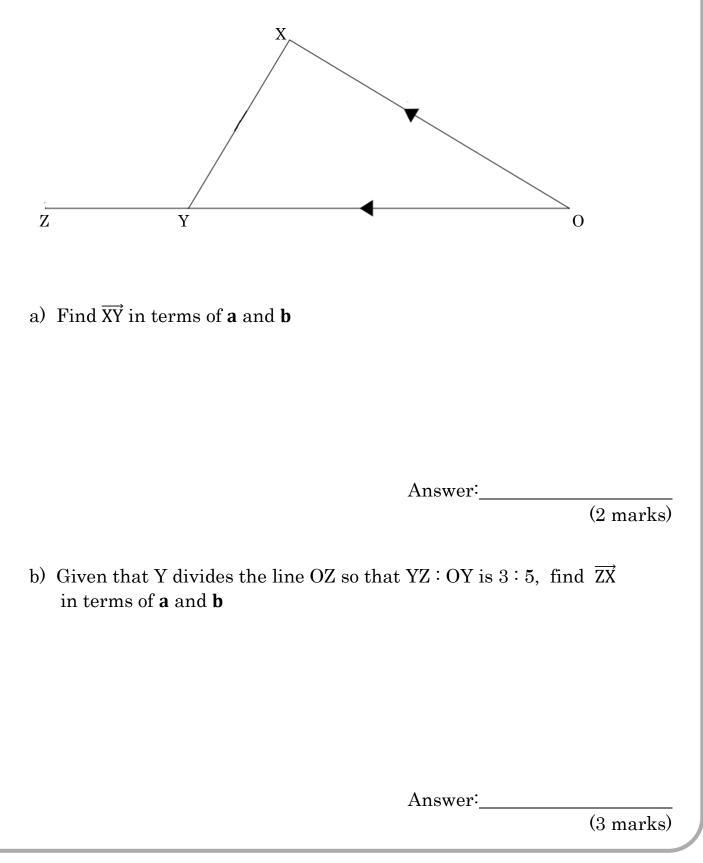
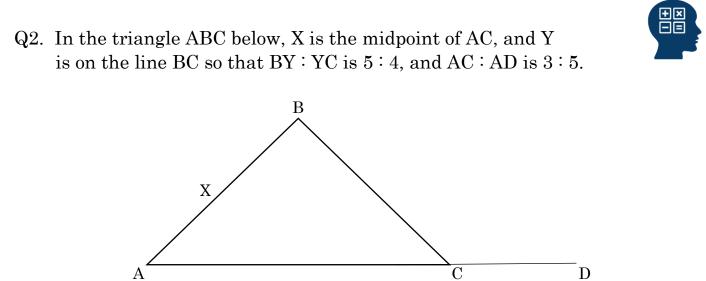
## **Vectors Exam Practice**







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Prove that XYD is not a straight line.

Answer:

(5 marks)



- Q3. A ship sets off from a harbour H, which is located at (-4, 8) and is heading towards a port P which is located at (32.25, -21). The ship is travelling at  $\binom{5}{-4}$  km/hour.
  - a) Find what time the boat reaches the port if it sets off at 3.15pm.

Answer:

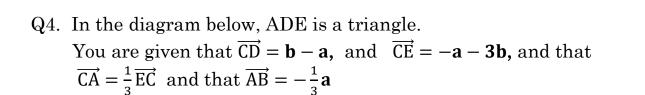
(3 marks)

b) Calculate the bearing on which the ship is travelling. Give your answer to the nearest degree.

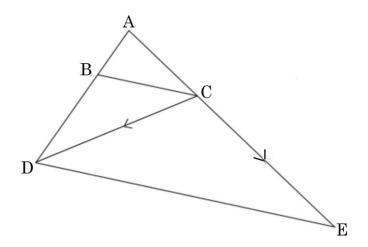
Answer:

(3 marks)

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Prove that BC is parallel to DE.



Answer:

(4 marks)

+× -=

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