Answer ALL TWENTY NINE questions.

Write your answers in the spaces provided.

You must write down all the stages in your working.

1 Without using a calculator and showing all your working, evaluate

$$3\frac{3}{4} \div \frac{5}{8}$$

Give your answer in its simplest form.

....

(Total for Question 1 is 2 marks)

2 The nth term of a sequence is given by $\dfrac{n^2 + 3}{2}$

Determine whether 222 is a term of this sequence.
Show your working clearly.

(Total for Question 2 is 2 marks)