Monday 5th February 2024 Homework – Bamburgh

**Q1.**

The area of a rugby pitch is 6,108 square metres.

A football pitch measures 112 metres long and 82 metres wide.

How much larger is the area of the football pitch than the area of the rugby pitch?



3 marks

**Q2.**

Here is a set of 20 squares around a shaded space.



What is the area of the shaded space?



1 mark

**Q3.**

Megan says,

***‘If two rectangles have the same perimeter,
they must have the same area.’***

Is she correct?
Circle **Yes** or **No**.

Yes / No

Explain how you know.

1 mark

**Q4.**

Here is a T-shape made from 3 identical rectangles.

The area of the T-shape is **90 cm2**



Work out the value of *x*



2 marks

**Q5.**

Here is a grid of regular hexagons.

The shaded shape has an area of 3 hexagons and a perimeter of 14 cm.

Draw another shape on the grid which has an **area** of 4 hexagons and a **perimeter** of 14 cm.



1 mark

**Q6.**

A white square is painted in one corner of a grey square.

Each side of the white square is **half** the length of a side of the grey square.



**Not actual size**

What is the **area** of the grey section?

