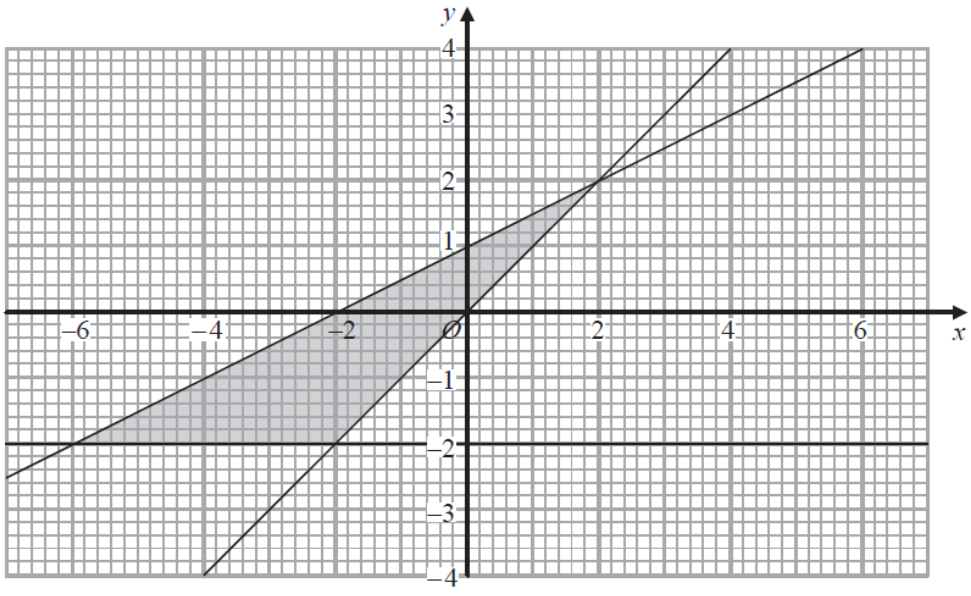
1 A number, n, is rounded to 2 decimal places.
The result is 4.76

Using inequalities, write down the error interval for n.

.....

(Total for Question is 2 marks)

2



Write down the three inequalities that define the shaded region.

.....

.....

.....

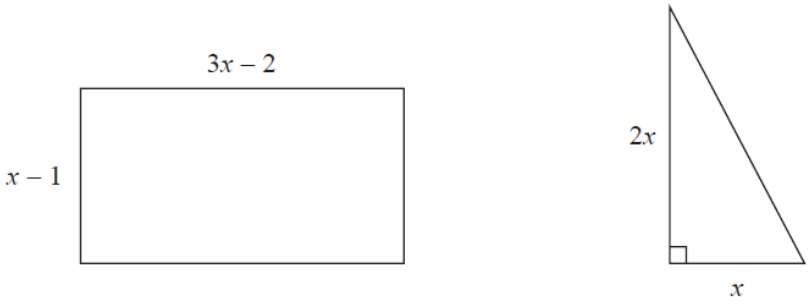
(Total for Question is 4 marks)

3 Solve $2x^2 + 3x - 2 > 0$

.....

(Total for Question is 3 marks)

4 Here is a rectangle and a right-angled triangle.



All measurements are in centimetres.
The area of the rectangle is greater than the area of the triangle.

Find the set of possible values of x.

.....

(Total for Question is 5 marks)

5 n is an integer such that $3n + 2 \leqslant 14$ and $\dfrac{6n}{n^2 + 5} > 1$

Find all the possible values of n.

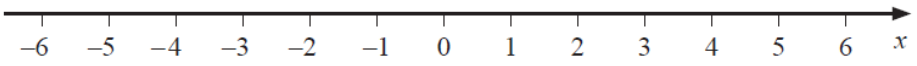
(Total for Question is 5 marks)

6 (a) Solve $14n > 11n + 6$

.....

(2)

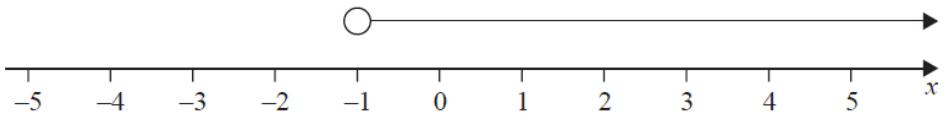
(b) On the number line below, show the set of values of x for which $-2 < x + 3 \leqslant 4$



(3)

(Total for Question is 5 marks)

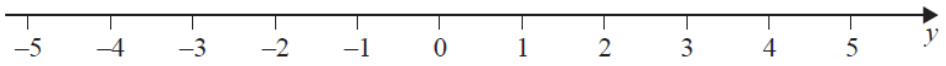
7 (a) Write down the inequality shown on this number line.



.....

(1)

(b) On the number line below, show the inequality $-3 \leqslant y < 4$



(2)

(Total for Question is 3 marks)