1. $-1 \le n < 4$

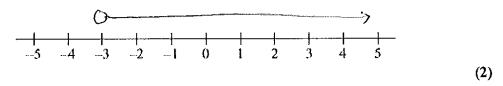
n is an integer.

Write down all the possible values of n.



2. (a) x > -3

Show this inequality on the number line.



(b) Solve the inequality $7y - 34 \le 8$

$$y \leq 6$$
 (2)

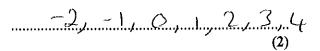
(c) Write down the integer values of x that satisfy the inequality

$$-2 \le x < 3$$

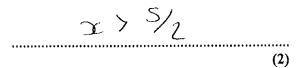
$$-2, -1, 0, 1, 2$$
 (2)

(6 marks)

- 3. $-2 \le n \le 5$ n is an integer.
 - (a) Write down all the possible values of n.



(b) Solve the inequality 4x + 1 > 11



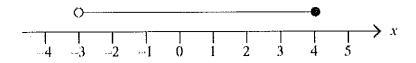
(4 marks)

4. (a) On the number line below, show the inequality -2 < y < 3



(1)

(b) Here is an inequality, in x, shown on a number line.



Write down the inequality.

$$-3<\alpha<4$$
 (2)

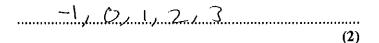
(c) Solve the inequality 4t - 5 > 11

(5 marks)

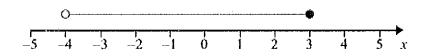
5. (a) n is an integer.

$$-1 \le n < 4$$

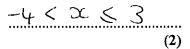
List the possible values of n.



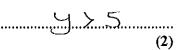
(b)



Write down the inequality shown in the diagram.



(c) Solve 3y - 2 > 13



(6 marks)

6. $-3 \le n \le 1$

n is an integer.

(a) Write down all the possible values of n.

(b) Solve the inequality 3p-7>11

$$\rho > 6$$

(4 marks)

7. n is an integer.

$$-3 < n < 4$$

(a) Write down all the possible values of n.

$$-2,-1,0,1,2,3$$

(b) Solve $2x - 7 \le 11$

`x € 9

(2)

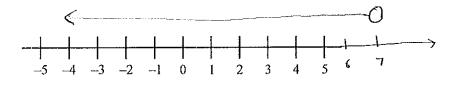
(4 marks)

8. (a) (i) Solve the inequality

$$5x - 7 < 28$$

X<7

(ii) On the number line, represent the solution set to part (i).



(3)

n is an integer such that $-4 \le 2n \le 3$.

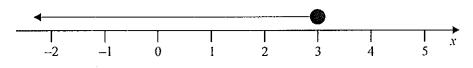
(b) Write down the possible values of n.

-2 < n < 홀

(3)

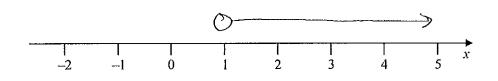
(6 marks)

9. (i) Write down the inequality shown on the number line.



x ≤3

(ii) Show the inequality x > 1 on the number line below.



<u>(3 marks)</u>

10. (i) Solve the inequality 7x - 3 > 18

$$\Sigma \times \mathfrak{T}$$

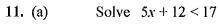
 $\infty > 3$

x is a whole number such that 7x - 3 > 18

(ii) Write down the smallest value of x.

4 is the smallest integer valve)

(4 marks)



 $x = \infty < 1$

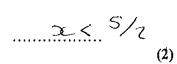
(2)

(b) Solve the inequality
$$3(2y + 1) > 10$$

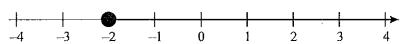


y > 7/6

12. (a) Solve the inequality 4x - 3 < 7



An inequality is shown on the number line.



(b) Write down the inequality.

$$2 > 2$$
 (2)

(c) n is a whole number such that

$$6 \le 3n < 15$$

List all the possible values of n. $2 \le n \le S$

2, 3, 4....(2) (6 marks)

13. <i>m</i> is an i	nteger such that $-2 \le m \le 3$		
(a)	Write down all the possible values of m .		
		-1,0,1,2,3	••
(b)	Solve $7x - 9 < 12$	(2)
	$7\infty < 21$		
	7x<21		
		$\propto \langle 3 \rangle$	

(2)

(4 marks)