TAKE 5 ... Linear Inequalities

Q1. (a) n is an integer. $-1 \leq n < 4$ List the possible values of n.
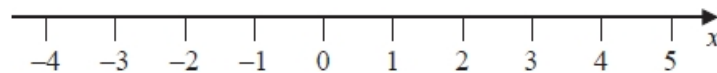
(2)

(b)
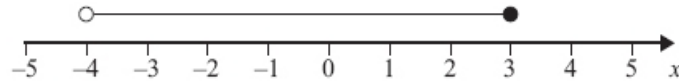
Write down the inequality shown in the diagram.

(2)

(c) Solve $3y - 2 > 5$

(2)

Q2. (a) Show the inequality $x < 3$ on the number line below.

(2)

(b) Solve the inequality $4x - 7 \geq 13$

(2)

Q3. $-5 < y \leq 0$ y is an integer.

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

(2)

(b) Solve $6(x - 2) > 15$
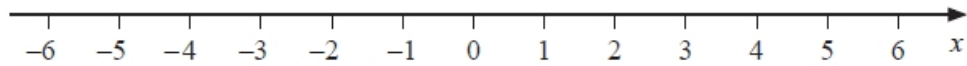
(2)

Q4. $3x + 5 > 16$ x is an integer.   Find the smallest value of x.

(3)

Q5. (a) Solve $14n > 11n + 6$

(2)

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

(3)