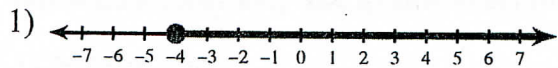


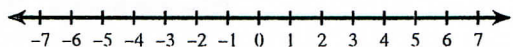
2.1-2.5 Review

Write an inequality for each graph.

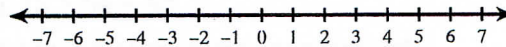


Draw a graph for each inequality.

3) $n > -2$

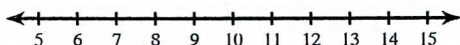


4) $x \leq 5$

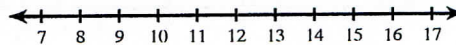


Solve each inequality and graph its solution.

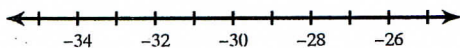
5) $x - 16 \leq -6$



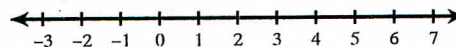
6) $29 < x + 19$



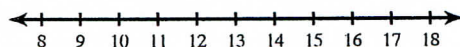
7) $-9 \leq \frac{n}{3}$



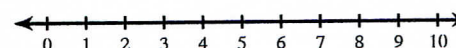
8) $-4p < -20$



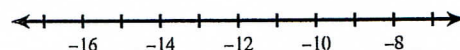
9) $\frac{p}{2} \geq 7$



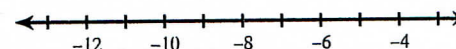
10) $-42 < -6v$



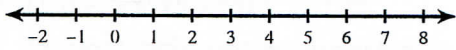
11) $46 \geq -4 - 5x$



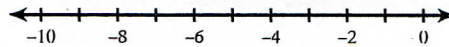
12) $24 > -4(x + 1)$



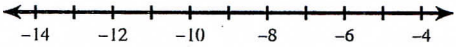
13) $-5v + 3 \geq -2$



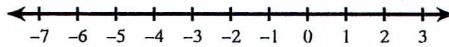
14) $\frac{n}{4} - 1 < -2$



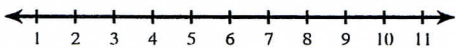
15) $5n - 2 > -37$



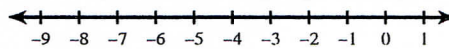
16) $3(-5x + 5) < 75$



17) $55 > 5(4k - 1)$



18) $1 > -3(3 - 5a) - 5(3a - 1)$



Define a variable and write an inequality for each situation.

19) There are at most 50 students in the classroom.

20) Athletes may weigh no more than 180 pounds.

21) There must be at least 20 club members present in order to hold a meeting.

22) You must be no less than 46 inches tall to ride a roller coaster.

Write an inequality to represent each statement. Solve the inequality.

23) Ten less than a number is greater than 32.

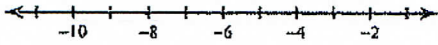
24) A number r decreased by 13 is at most 15.

25) One half of a number, increased by 9, is less than 33.

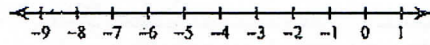
26) Three-fourths of a number is greater than or equal to five less than the number.

Do Even Only

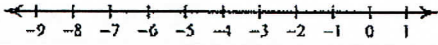
13) $a - 6 \leq 15 + 8a$



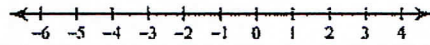
14) $13 + 2v - 8 + 6 > -7 - v$



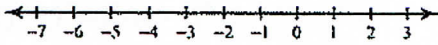
15) $-5n - 6n \leq 8 - 8n - n$



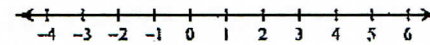
16) $-x < -x + 7(x - 2)$



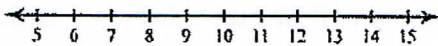
17) $-5n + 6 \geq -7(5n - 6) - 6n$



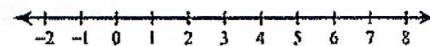
18) $3(p - 3) - 5p > -3p - 6$



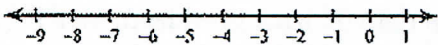
19) $28 - k \geq 7(k - 4)$



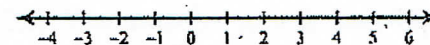
20) $28 - 7x \leq -4(-7x - 7)$



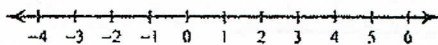
21) $-6(1 + 7k) + 7(1 + 6k) \leq -2$



22) $-2(2 - 2x) - 4(x + 5) \leq -24$



23) $3(1 - 2x) > 3 - 6x$



24) $-2(5 + 6n) < 6(8 - 2n)$

