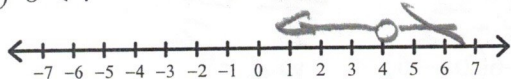


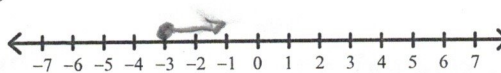
Inequalities on the number line

Draw a graph for each inequality.

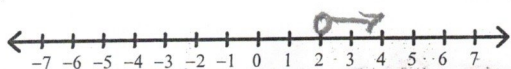
1) $b < 4$



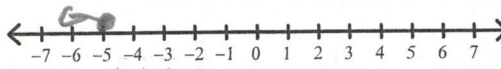
2) $-3 \leq n$



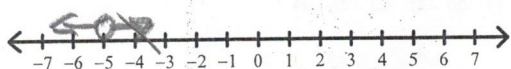
3) $2 < k$



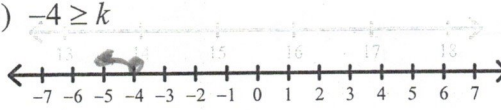
4) $k \leq -5$



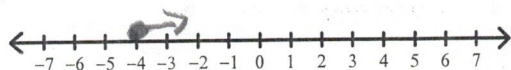
5) $x < -5$



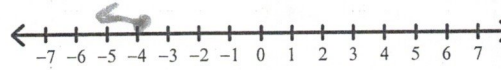
6) $-4 \geq k$



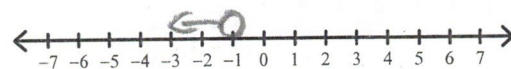
7) $-4 \leq x$



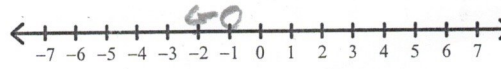
8) $n \leq -4$



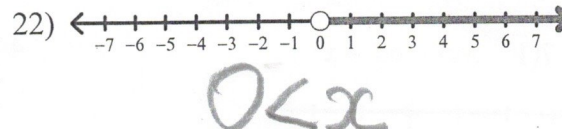
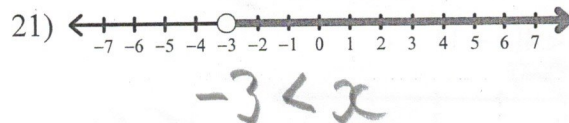
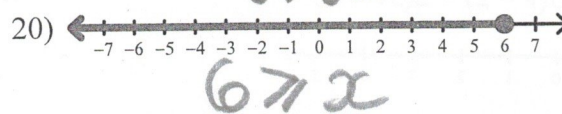
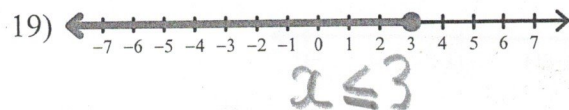
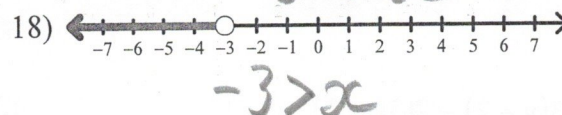
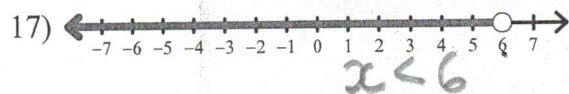
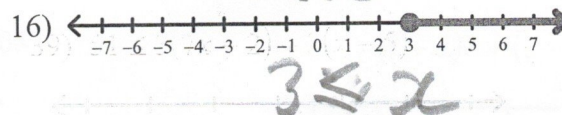
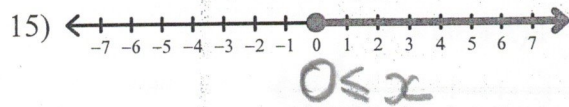
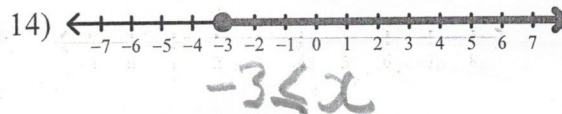
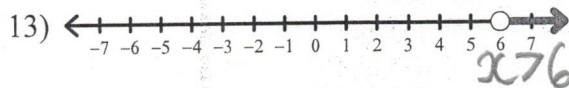
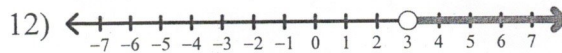
9) $1 > n$



10) $-1 > x$



Write an inequality for each graph.



Solve each inequality.

23) $10(-6 + n) > -150$

25) $6 < 3(8 + m)$

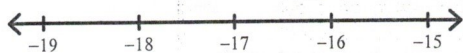
27) $2x + 4(5x - 3) > 5(4x + 4)$

Solve each inequality and graph its solution.

29) $5 < \frac{r+9}{5}$



31) $-1 + 9n \leq -154$



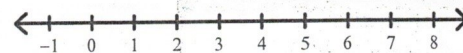
33) $3(6a - 8) \geq 48$



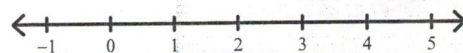
35) $63 < 4p - 3(-4p - 5)$



37) $6(n + 7) - 2(1 + 4n) \leq 34$



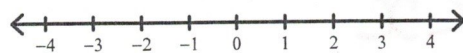
39) $51 \leq 3(7x - 2) + 3(x - 5)$



41) $5v - v > -3(v - 2) - 2(3v + 3)$



43) $7(x - 1) + 7(1 - 5x) < 6x + x$



24) $51 \leq 5x - 9$

$60 \leq 5x = 12 \leq x$

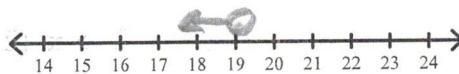
26) $-4 + 2(p - 8) < -36$

$2(p - 8) < -32$
 $2p - 16 < -32$
 $2p < -16$
 $p < -8$

28) $-3(4n + 1) < -6(2n - 6)$

$-12n - 3 < -12n + 36$
 $-3 < 36$

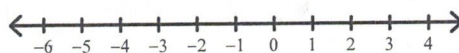
30) $\frac{-10 + m}{3} < 3 = m < 19$



32) $-1 \leq 3 - x$

$-4 \leq -x$
 $4 \leq x$

34) $12 > -4 - 8(-4k - 6)$



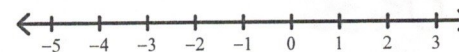
36) $-6(5 - 3x) \leq -66$



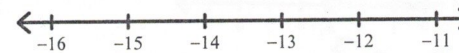
38) $-6(m + 5) + 8(3m + 3) \leq -24$



40) $7(1 - 7r) - 8(3 + 3r) < 56$



42) $-(4 + 3b) + 6b \leq 6 + 4(1 + b)$



44) $3(6 - 6x) < 4(x - 1)$

$18 - 18x < 4(x - 1)$
 $18 - 18x < 4x - 4$
 $22 - 18x < 4x$
 $22 < 22x$
 $1 < x$