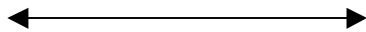
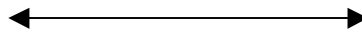


SOLVE each of the following inequalities, then **GRAPH** the solution on a number line.

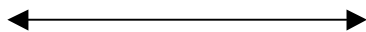
1) $x - 11 \leq -3$



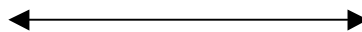
2) $-5x - 8 \geq 7$



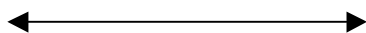
3) $6x + 7 \geq 10$



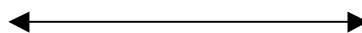
4) $65 < 10x + 5$



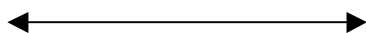
5) $8 + 6x > 20$ or $1 + x \leq 0$



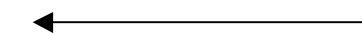
6) $-7 < x - 2 < 8$



7) $-3 < -3x + 6 < 24$



8) $-x > 0$ or $3 < x$



Write an inequality that represents the statement.

9) A number is greater than 17 or less than or equal to -2

10) All real numbers greater than 9 and less than 10

11) For Christmas you got a McDonald's gift card for \$10. You plan to buy your friend and yourself lunch. You purchase two small sodas for \$1 each and the rest of the gift card is spent on \$.89 cheeseburgers. How many cheeseburgers could you purchase? Write an inequality and solve. Explain your answer.