

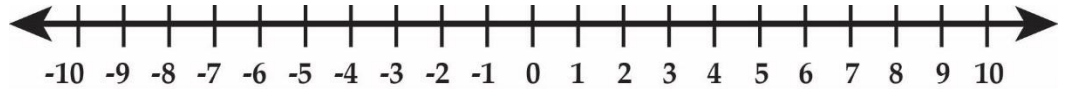
WORKSHEET 2.3 – Solving Compound Linear Inequalities



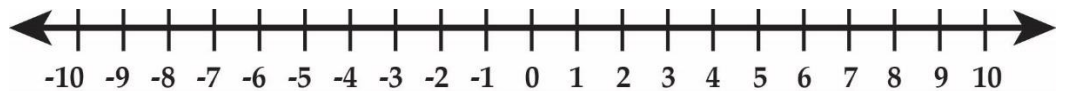
Name: _____ Hour: _____ Date: _____

SECTION 1: Solve each “and” compound linear inequality, then graph it. (2.3.A)

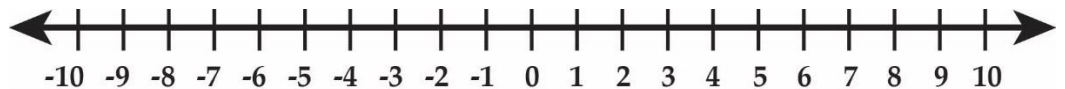
1) $-8 < 2x < 12$



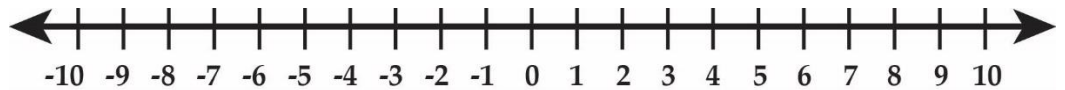
2) $-6 \leq x - 1 \leq 7$



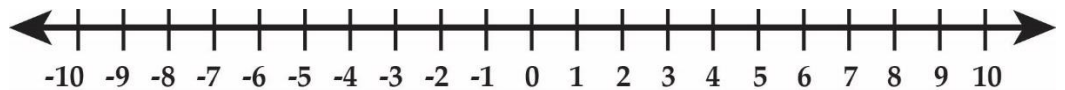
3) $-7 < 3x - 4 \leq 5$



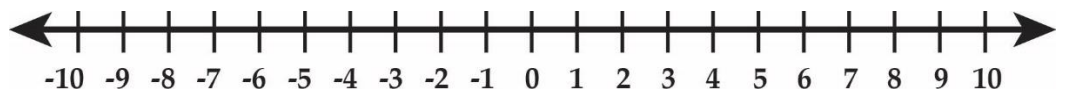
4) $27 \leq 8x - 5 < 51$



5) $-5 < 7 - 6x \leq 13$

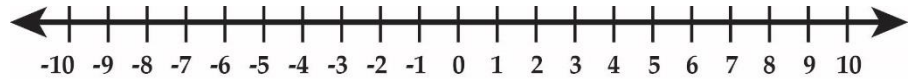


6) $-9 < -4x + 11 < 47$

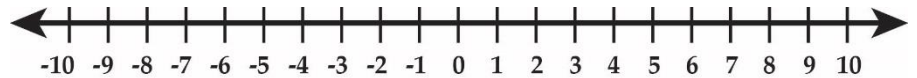


SECTION 2: Solve each "or" compound linear inequality, then graph it. (2.3.A)

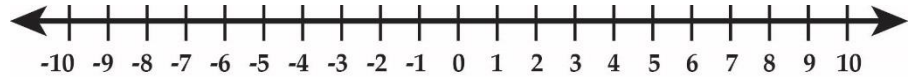
7) $x + 6 < 4$ or $x - 5 > 3$



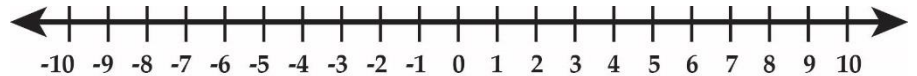
8) $2x + 7 \leq -3$ or $3x - 1 \geq 5$



9) $8x + 19 < -21$ or $7x + 13 \geq 34$



10) $3 - 2x \leq 7$ or $6 - x > 11$



11) $-4x + 7 < -5$ or $-3x + 1 \geq 10$



12) $63 - 8x < 15$ or $-7x + 39 > 67$

