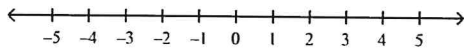


Name: _____ Class: _____ Date: _____

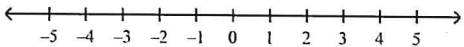
8th Grade Pre-Algebra Worksheet Section 8.7

Solve each inequality. Graph the solution on the number line provided.

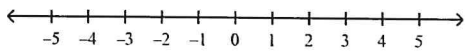
1. $2x + 6 \geq 4$



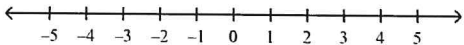
2. $5 - 2k \leq 15$



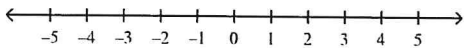
3. $11 + 5b \leq 6$



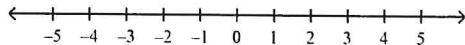
4. $\frac{x}{2} - 7 < -6$



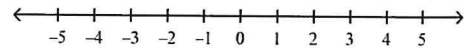
5. $3x + 9 < 18$



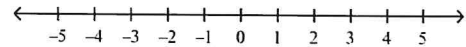
6. $-6 - 2t < -8$



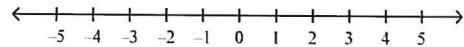
7. $20 - 2n > 26$



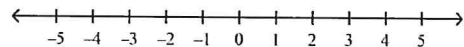
8. $11 > 17 + 2x$



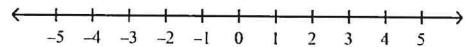
9. $4x + 6 > 18$



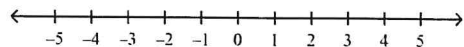
10. $5x - 3 < 2$



11. $8 < 3x - 1$



12. $6x - 4 \leq 2$



13. Macy is making each of her 7 friends a bracelet. In addition to charms, she needs one package of wire for all of the bracelets. The wire is \$6. She does not want to spend more than \$45 on the bracelets. Write and solve an inequality to find the maximum cost for each bracelet.
14. Isabel earns \$50 plus \$2.50 for each table she cleans. Write and solve an inequality to find how many tables she must clean to earn at least \$120.
15. The dance committee has \$75 to spend on centerpieces. They spent \$30 on flowers. If each vase costs \$3, write and solve an inequality to find how many vases they can buy.