Practice: U1A L5 Evaluate, solve and graph Inequalities Name: _____ HR: _____

Directions: Evaluate at the following for the given value of the variable and determine if it makes the equation TRUE or FALSE. (Show the substitution.)

1. $2x + 5 < 11$ when $x = 3$	2. $4y - 7 \geq 9$ when $y = 4$	3. $-3z + 2 > -7$ when $z = -4$
4. $5m + 1 \leq 13$ when $m = 2.5$	5. $2n - 6 > 10$ when $n = 8$	6. $\frac{p}{2} + 3 \geq 7$ when $p = 8$

Directions: Solve each of the following showing applicable work. Circle Final Answer.

7. $x - 5 < 7$	8. $-4y \geq 12$	9. $\frac{z}{3} + 2 > 5$
10. $2m + 7 \leq 15$	11. $3k - 4 > 8$	12. $5(p - 2) \leq 20$

13. $7 - 2q > 1$	14. $4 + 6r < 2r + 20$	15. $3(s + 1) - 2 \geq 7$
16. $12 < 2x + 4$	17. $15 \geq -3n + 6$	18. $5 > \frac{y}{2} + 1$

Directions: Solve each of the following showing applicable work. Circle Final Answer. **GRAPH FINAL SOLUTIONS**

19. $4m - 7 < 13$	20. $-2p \leq 10$	21. $3q + 6 > 15$
22. $7 < r - 2$	23. $12 \geq -5 + 2t$	24. $5 > \frac{u}{2} + 1$