JMJ

Name: _____ Date: _____

Algebra I

Directions: Solve for the missing variable, include a graph, and check.

1. $3(n - 7) \geq 27$

2. $\frac{n}{4} + 6 \leq 12$

3. $4(n + 2) > 16$

4. $9n - 5 < 40$

5. $2(n + 7) - 8 > 22$

6. $5 - \frac{1}{2} n \leq 12$

7. $16 < \frac{3}{4} n + 7$

8. $12n - 3n \geq 27$

9. $5(3n + 2) > 25$

10. $4 + 2(n + 7) < 16$

11. $8(2n - 2) + 5 > 53$

12. $\frac{4}{5}n + 2 < 4 + \frac{3}{5}n$

13. $14n - 9n \geq 105$

14. $65 \leq 8n + 2n - 15$

15. $5(2n + 1) - 2(2n - 5) \geq 33$

16. $\frac{1}{2}(6n - 2) < 6n + 14$

17. $7 + 5(n - 8) > -75 - 2n$

18. $4(2n + 1) - 3(2n - 5) \leq 29$

19. $4n \geq 36 + 8n$

20. $12n - (5n + 7) > 14$

21. $9n + 10n > 95$

22. $6n - 4n \leq 32$

23. $4n + 8 < 12n - 16$

24. $8n - (3n + 6) \geq 16$

25. $4(2n + 1) - 3(2n - 5) > 29$

26. $\frac{3n}{5} + 8 < 14$

27. $15 - \frac{1}{6}n \geq 8$

28. $\frac{5n-9}{2} + 8 < 36$

29. $5(5n + 2) > 35$

30. $12n + 2(3n + 5) \geq 41$