Algebra 1 Unit 0
Day 9 to Day 10 Quiz Review
(PH 3-4 and 3-5)

Name: _____
Date: _____ **Hour:** _____

Show all work for full credit.

Practice 3 – 4 Odd

Solve each inequality. Graph and check the solution.

1. $2z + 7 < z + 10$

2. $4(k - 1) > 4$

3. $1.5 + 2.1y < 1.1y + 4.5$

4. $h + 2(3h + 4) \geq 1$

5. $r + 4 > 13 - 2r$

6. $6u - 18 - 4u < 22$

7. $2(3 + 3g) \geq 2g + 14$

8. $2h - 13 < -3$

9. $-4p + 28 > 8$

10. $8m - 8 \geq 12 + 4m$

11. $5 + 6a > -1$

12. $\frac{1}{2}(2t + 8) \geq 4 + 6t$

13. $-5x + 12 < -18$

14. $2(3f + 2) > 4f + 12$

15. $13t - 8t > -45$

16. $2(c - 4) \leq 10 - c$

17. $\frac{1}{2}t - \frac{1}{3}t > -1$

18. $3.4 + 1.6v < 5.9 - 0.9v$

Practice 3 – 5 All

Solve each compound inequality and graph the solution.

23. $2n - 1 \geq 1$ or $2n - 1 \leq -1$

24. $2k - 3 > 3$ or $2k - 3 < -3$

25. $-1 < h - 2 < 1$

26. $2.2 + p > 1$ and $1.5p < -0.3$

27. $9 < x + 2 < 11$

28. $5m + 8 < 23$ or $6m > 48$

29. $-3 \leq \frac{3}{2}x + 6 \leq 3$

30. $7 > 5 - x > 6$

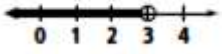
Check your work. Here is the answer key.

Practice 3-4

1. $z < 3$;

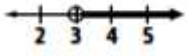
2. $k > 2$;

3. $y < 3$;

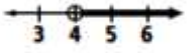


4. $h \geq -1$;

5. $r > 3$;



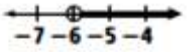
14. $f > 4$;



15. $t > -9$;

16. $c \leq 6$;

17. $t > -6$;

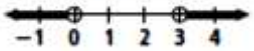


18. $v < 1$;

Practice 3-5

23. $n \geq 1$ or $n \leq 0$;

24. $k > 3$ or $k < 0$;

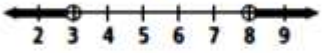


25. $1 < h < 3$;

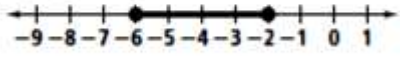
26. $-1.2 < p < -0.2$;

27. $7 < x < 9$;

28. $m < 3$ or $m > 8$;



29. $-6 \leq x \leq -2$;



30. $-2 < x < -1$;