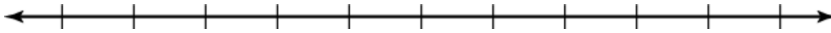Name _____ Date _____

2.5 Practice WS

In Exercises 1–5, write the sentence as an inequality. Graph the inequality.

1. A number u is less than 7 and greater than 3.

2. A number d is less than -2 or greater than or equal to 2.

3. A number s is no less than -2.4 and fewer than 4.2.

4. A number c is more than -4 or at most $-6\frac{1}{2}$.

5. A number c is no less than -1.5 and less than 5.3.

In Exercises 6–10, solve the inequality. Graph the solution.

6. $4 < x - 3 \le 7$
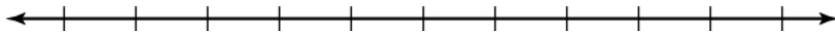

7. $15 \ge -5g \ge -10$

8. $z + 4 < 2 \text{ or } -3z < -27$

9. $2t + 6 < 10 \text{ or } -t + 7 \le 2$

10. $-8 \le \frac{1}{3}(6x + 24) \le 12$

11. A certain machine operates properly when the relative humidity h satisfies the inequality $-60 \le 2(h - 50) \le 60.$ Solve for h to find the range of values for which the machine operates properly.