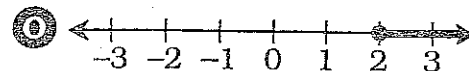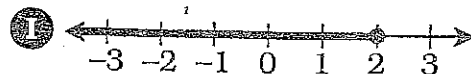# What Is The First Thing You Should Do To Become a Mattress Maker?
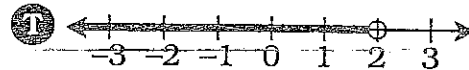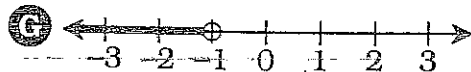
For each exercise, write the letter of the answer in the box containing the number of the exercise.

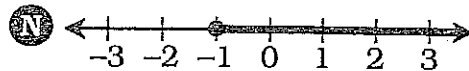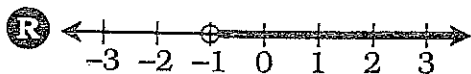**In Exercises 1-6, match the inequality with its graph.**

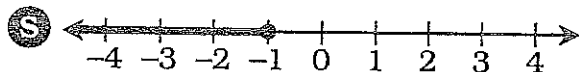1. $x < 2$
2. $x \le 2$
3. $x > -1$
4. $x \ge -1$
5. $-1 > x$
6. $2 \le x$

L. (number line -3 to 3)
O. (number line -3 to 3)
G. (number line -3 to 3)
T. (number line -3 to 3)
R. (number line -3 to 3)
N. (number line -3 to 3)
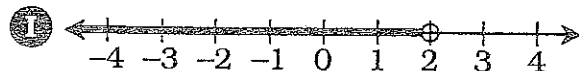
In Exercises 7-18, solve the inequality. Then graph the solution.

7. $3n + 1 < 10$

8. $5a - 2 \ge 8$
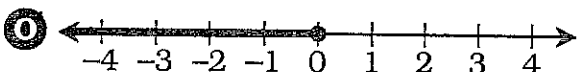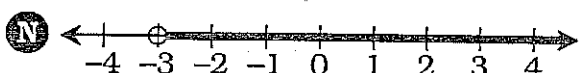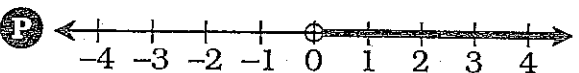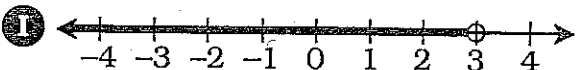
9. $4y + 7 \le 3$

10. $9k - 2 > -20$

11. $\dfrac{x}{2} + 15 < 16$

12. $\dfrac{d}{3} - 8 \ge -10$
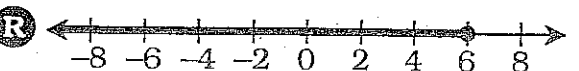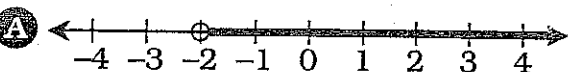
13. $\dfrac{u}{9} - 4 \le -4$

14. $6p - 15 < 33$
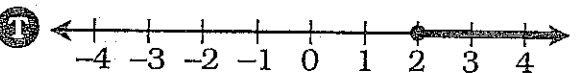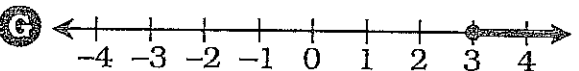
15. $17 \le 5b + 2$

16. $-23 < 8y + 1$

17. $-6 \ge \dfrac{x}{6} - 7$

18. $5 < \dfrac{m}{12} + 5$

L. (number line -4 to 4)
S. (number line -4 to 4)
N. (number line -4 to 4)
O. (number line -4 to 4)
I. (number line -4 to 4)
P. (number line -4 to 4)
E. (number line -4 to 4)
T. (number line -4 to 4)
A. (number line -4 to 4)
R. (number line -8 to 8)
G. (number line -8 to 8)
N. (number line -8 to 8)
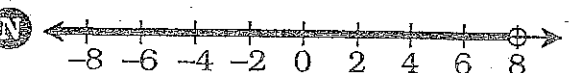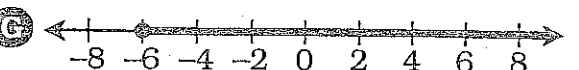
15	6	1	13	9	18	3	11	14	5	8	17	10	2	16	7	4	12

The Pythagorean Theorem and Inequalities:
Solving Inequalities