# 3.1-3.4 Review
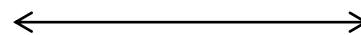
Name: _____

**Solve & graph each inequality.**

1. $n - 6 \leq 8.5$

2. $1 - 4d \geq 4 - d$

3. $t - 5 > -13$

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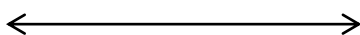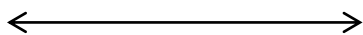
4. $2(m - 5) + 4m \leq 56$

5. $6(c + 3) - 9 > 27$
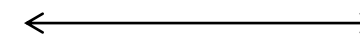
6. $x - 2 < 3x - 4$

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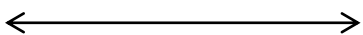
7. $12b - 5 > -29$

8. $4 - x \leq 3$

9. $n + 7 > 3n - 1$

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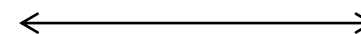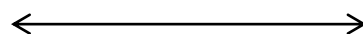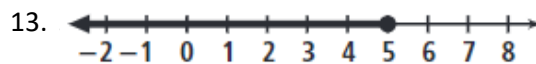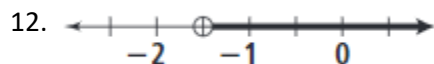
**Write an inequality that represents each verbal expression or graph**

10. $b$ is less than or equal to –1

11. 2 more than $k$ is greater than –3

12. 

13. 

**Define a variable and write an inequality for each situation.**

14. A car dealership sells at least 35 cars each week

15. No more than 425 raffle tickets will be sold

16. You must run faster than 11.2 seconds to win

17. You must be at least 18 years old to vote.

**Write & solve an equality for each situation.**

18. A homeroom class with 25 students is holding a fund-raiser to support school sports. Their goal is to raise at least $200. On average, how much money does each student need to contribute to meet or exceed the goal?

19. You earn $7.50 per hour and need to earn $35. How many hours do you need to work?

20. The booster club raised $102 in their car wash. They want to buy $18 soccer balls for the soccer team. How many soccer balls could they buy?

21. Suppose you are trying to increase your coin collection to at least 500 coins. How many more coins do you need if you already have a collection of 375 coins?

22. Janet has a balance of $125 on a credit card. On her next statement, she wants to reduce her balance to no more than $60. How much does she need to pay off?

23. You are reading a book with 19 chapters. How many chapters should you read each week if you want to finish the book in 5 weeks or less?