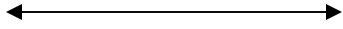


Show all work!! Graph the first four questions. I want the answer as a variable, inequality, number!!

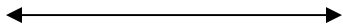
1.  $2m + 7 > 17$

1. \_\_\_\_\_



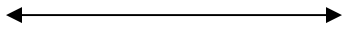
2.  $-9 > x - 4x$

2. \_\_\_\_\_



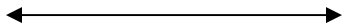
3.  $8x + 2 - 10x < 8$

3. \_\_\_\_\_



4.  $-3(p - 5) < 18$

4. \_\_\_\_\_



5.  $18c + 12 - 6c < -12$

5. \_\_\_\_\_

6.  $5(m + 3) < 2 - (m - 3)$

6. \_\_\_\_\_

7.  $2x + 4 > 8 - 6x - 12$

7. \_\_\_\_\_

8.  $-8 < 2(x - 10)$

8. \_\_\_\_\_

9.  $\frac{-2}{3}x - 4 > 4$

9. \_\_\_\_\_

10.  $\frac{x}{4} - 5 > -2$

10. \_\_\_\_\_

11.  $\frac{3}{4}x - 9 > 12$

11. \_\_\_\_\_

12.  $-7 < 3 - 5x$

12. \_\_\_\_\_

13.  $4 - x > 2$

13. \_\_\_\_\_

14.  $3x > -9$

14. \_\_\_\_\_

15.  $\frac{x}{-2} < 9$

15. \_\_\_\_\_

16.  $3x - 4x + 8 > 40 + 7x$

16. \_\_\_\_\_

17.  $-4x + 9 > 2x - 15$

17. \_\_\_\_\_

Write an inequality and solve.

18. Four times a number increased by 2 is less than -24.

19. A number decreased by 8 is at most 3.

20. Six more than a number is under 18.

21. Five less than a number is no less than 14.

22. The quotient of a number and 3 is at least 10.

23. Sandy weighs  $x$  pounds and Jenni weighs 145. They will ride a carnival ride together but the ride has a maximum weight limit of 300 pounds. How much could Sandy weigh?

24. Lisa will get paid \$8 per hour plus a \$100 bonus this week. She wants to make at least \$580. How many hours does she need to work to meet her goal?

25. Donovan goes to the mall with \$250 to spend. He will buy a jacket for \$30 and he needs some tee shirts. If tee shirts cost \$10 each, how many could he possibly purchase?