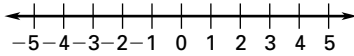


Chapter Test A

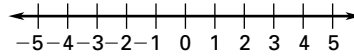
For use after Chapter 6

Graph the inequality.

1. $x \geq -3$

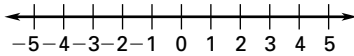


2. $x < 3.5$

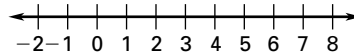


Solve the inequality. Graph the solution on a number line.

3. $x - 3 \leq 1$



4. $a + 3 < 10$



5. You run a ten-kilometer race in 45.5 minutes. Write an inequality for the time of the runners who finished the race after you did.

Solve the inequality.

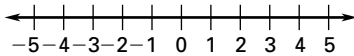
6. $3x + 2 \leq 17$

7. $2 - x > 5$

8. You are at the music store to buy some CDs. You have \$45 to spend and the store sells CDs for \$12.99 each. Write an inequality that represents the number of CDs that you can buy without spending more money than you have.

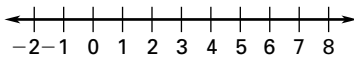
Write an inequality that represents the statement and graph the inequality.

9. x is less than 4 and greater than 1

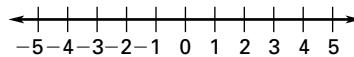


Solve the inequality and graph the solution.

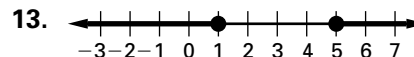
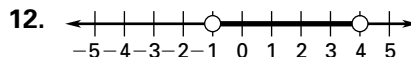
10. $6 < x + 4 \leq 11$



11. $x + 4 < 2$ or $x - 4 > -1$



Write a compound inequality that describes the graph.



1. _____
2. _____
3. _____
4. _____
5. _____
6. _____
7. _____
8. _____
9. _____
10. _____
11. _____
12. _____
13. _____

Chapter Test A

For use after Chapter 6

Solve the equation or the inequality.

14. $|x| = 5$

15. $|x + 2| < 5$

Is the ordered pair a solution of the inequality?

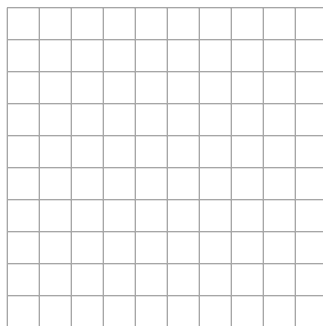
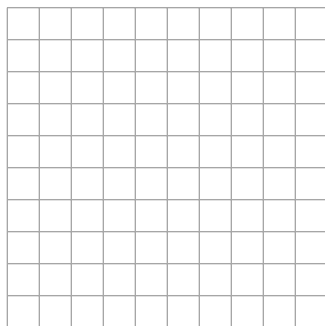
16. $x + y < 5$; (3, 0)

17. $x - y \geq 6$; (2, 7)

Sketch the graph of the inequality.

18. $x \leq 5$

19. $y > -3$



14. _____

15. _____

16. _____

17. _____

18. _____

19. _____

20. _____

21. _____

22. _____

Make a stem-and-leaf plot of the data.

20. 40, 33, 20, 22, 36, 54, 27, 42, 30

Stem

Leaves

Find the mean, the median, and the mode of the collection of numbers.

21. 3, 1, 9, 5, 9, 6, 9

Find the first, second, and third quartiles of the data.

22. 6, 10, 1, 8, 3, 1, 4