

P-1 Blog Assignment

Separate piece of loose leaf paper, due tomorrow

In Exercises 1–4, find the decimal form for the rational number. State whether it repeats or terminates.

1. $-37/8$

2. $15/99$

3. $-13/6$

4. $5/37$

In Exercises 5–10, describe and graph the interval of real numbers.

5. $x \leq 2$

6. $-2 \leq x < 5$

7. $(-\infty, 7)$

8. $[-3, 3]$

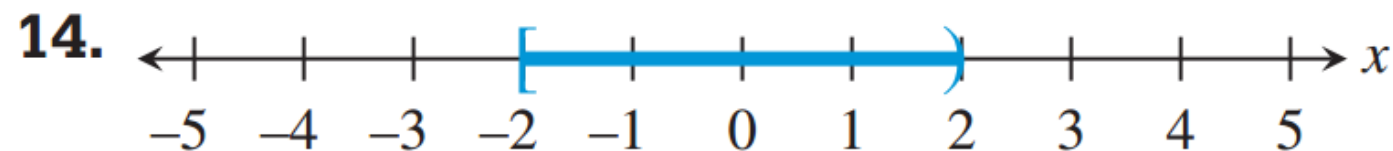
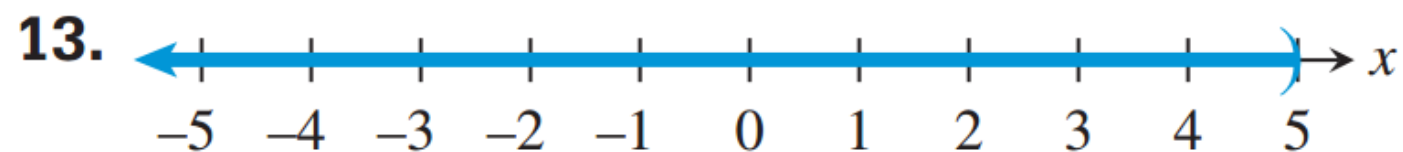
9. x is negative

10. x is greater than or equal to 2 and less than or equal to 6.

In Exercises 11–16, use an inequality to describe the interval of real numbers.

11. $[-1, 1)$

12. $(-\infty, 4]$



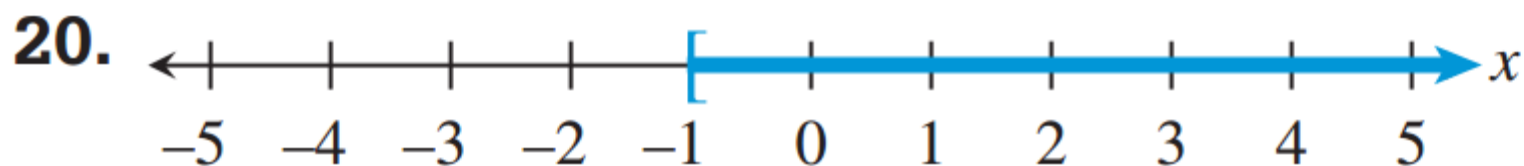
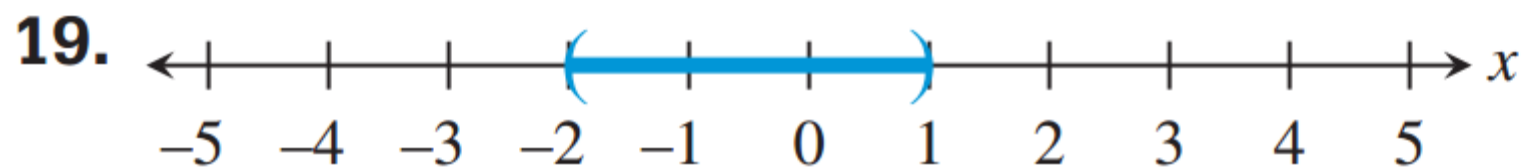
15. x is between -1 and 2 .

16. x is greater than or equal to 5 .

In Exercises 17–22, use interval notation to describe the interval of real numbers.

17. $x > -3$

18. $-7 < x < -2$



21. x is greater than -3 and less than or equal to 4 .

22. x is positive.

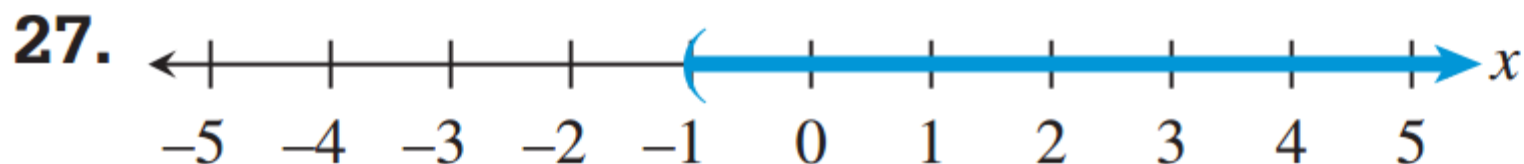
In Exercises 23–28, use words to describe the interval of real numbers.

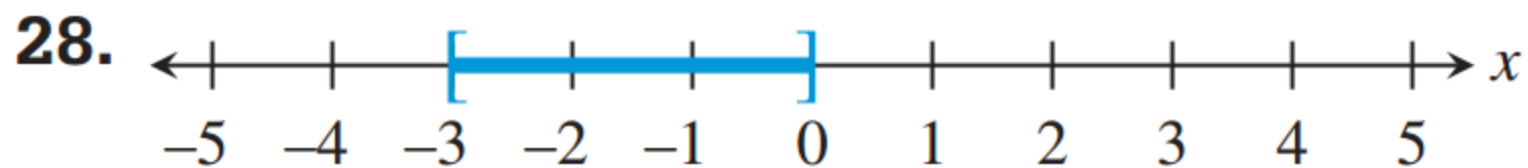
23. $4 < x \leq 9$

24. $x \geq -1$

25. $[-3, \infty)$

26. $(-5, 7)$





In Exercises 29–32, convert to inequality notation. Find the endpoints and state whether the interval is bounded or unbounded and its type.

29. $(-3, 4]$

30. $(-3, -1)$

31. $(-\infty, 5)$

32. $[-6, \infty)$