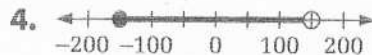
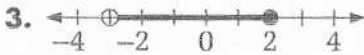
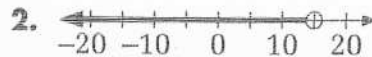
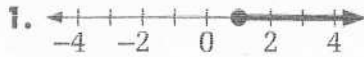


Practice 21

For use with Section 3-3

Write an inequality that fits each graph.



Graph each inequality on a number line.

5. $x \leq 5$

6. $x \geq -2$

7. $x \geq 3$

8. $-4 \leq x \leq 3$

9. $0 < x \leq 6$

10. $-5 < x < -1$

11. $x > 2.5$

12. $\frac{1}{3} \leq x < 1\frac{2}{3}$

13. $-\frac{1}{2} < x \leq 3\frac{1}{2}$

Write an inequality to describe the shortest interval of the number line that contains all the numbers in each group.

14. 5, -7, 3, -1, 8, 6, 2

15. 0, -1, 3, -9, -2, -4, -8

16. -1, -0.5, -1.6, -0.2, -1.2, 0

17. $\frac{1}{2}, -\frac{1}{3}, -\frac{1}{6}, \frac{1}{4}, -\frac{3}{4}, \frac{1}{5}$

Write an inequality to describe each statement.

18. All temperatures in the universe are above “absolute zero,” which is -273°C .

19. In a school zone, cars can go no more than 20 mi/h.

20. Any year beginning with “19”, such as 1956, is in the twentieth century.

21. The smallest distance between Earth and Mars is 35 million miles, and the greatest distance between the two planets is 248 million miles.

22. Altitudes in the Death Valley area range from 282 ft below sea level to about 11,000 ft above sea level.

23. Water can be in a liquid form between 32°F and 212°F .

24. Natural land formations on Earth vary from 29,028 ft above sea level (Mt. Everest) to 36,198 ft below sea level (the Mariana Trench in the Pacific Ocean).