

Algebra 1 Chapter 4A Practice Test (Sections 4.1-4.3)

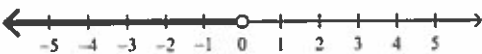


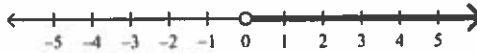
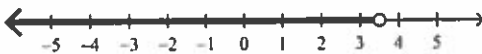
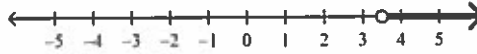
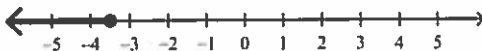
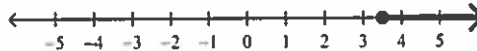
Multiple Choice

Identify the choice that best completes the statement or answers the question.

Which number is a solution of the inequality?

- _____ 1. $4x - 14 \geq 7$
 a. $-\frac{8}{11}$ b. $\frac{21}{4}$ c. 3 d. $\frac{1}{9}$
- _____ 2. $8 \geq 8q$
 a. 20 b. 1 c. 3 d. 8

Identify the graph of the inequality from the given description.

- _____ 3. x is positive.
 a.  c. 
 b.  d. 
- _____ 4. x is at least 3.5.
 a.  c. 
 b.  d. 

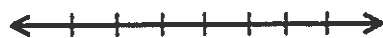
Short Answer

Graph the inequality.

5. $x \geq 1$



6. $d < 3$



Name: _____

ID: A

7. $x \leq 5$



Solve the inequality.

8. $h - 5 > -1$

9. $\frac{2}{9} \geq s - \frac{2}{3}$

10. $-5x - 7 < 28$

Solve the inequality. then graph your solution.

11. $x - 7 > -3.1$



12. $s + 5 > -2$



13. $-9y < -18$



Name: _____

ID: A

14. $q - \frac{1}{2} > \frac{1}{3}$



15. $j + 7 \leq 5$



16. Solve for the variable. $-\frac{x}{6} \leq 1$

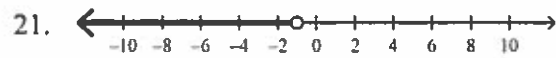
17. Solve for the variable. $2x \geq -6$

18. Solve for the variable. $x - 2 \leq -5$

19. Solve for the variable. $\frac{x}{3} \geq -2$

20. Solve for the variable. $x - 8 \leq -11$

Write an inequality for the graph.



22. Solve for the variable and graph your solution. $\frac{x}{7} > 3$



23. $-\frac{1}{7}p \leq 6$



24. $-\frac{4}{11}d \leq 8$



25. Tina can type at least 60 words per minute. Write an inequality to model this situation.

Write the inequality in words.

26. $2n - 8 > 34$

Name: _____

ID: A

Solve the equation.

27. $-6 \geq \frac{x}{3} + 4$

28. $2 \leq \frac{10 + z}{-5}$

29. $3(y + 6) > 30$

30. $4.9x + 4.4 < 19.1$