LESSON 3.6

Name _____ Date _____

Practice A

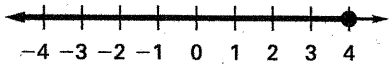
For use with pages 140–145

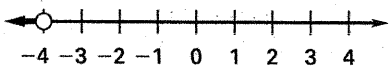
Complete the statement.

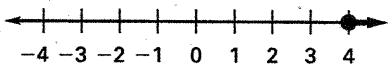
1. A(n) _____ is a statement formed by placing a(n) _____ symbol between two expressions.
2. If $a > b$, then _____ $+ c >$ _____ $+ c$.
3. If _____ $>$ _____, then $a - c > b - c$.

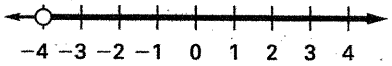
Match the inequality with its graph.

4. $x < -4$
5. $x \geq 4$
6. $x \leq 4$
7. $x > -4$

A. 

B. 

C. 

D. 

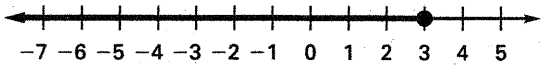
Write a verbal phrase to describe the inequality.

8. $f \geq 3$
9. $d < -7$
10. $w > 0$
11. $g \leq -16$

Solve the inequality. Then graph its solution.

12. $x + 3 > 6$
13. $7 \geq m - 4$
14. $p + 10 < 5$
15. $17 < 8 + f$
16. $11 \leq a - 6$
17. $9 + y > 4$
18. $q + 5 \geq -3$
19. $-36 + v \leq -48$
20. $-28 > j - 35$

Tell whether the number is a solution of the inequality graphed below.



21. -3.5
22. 5
23. $3\frac{1}{2}$
24. 0

25. To be accepted at a particular college, you must score at least 190 points on an entrance exam. The exam consists of two sections, an English section and a mathematics section. You scored 95 points on the mathematics section. Write and solve an inequality to represent the score you must have on the English section to score 190 points.

Lesson 3.6

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