Name Hour

Solving Multi-Step Inequalities

HW 2.4

In Exercises 1–3, match the inequality with its graph.

 1.  2.  3. 

 A. 

 B.



 C. 

In Exercises 4–9, solve the inequality. Graph the solution.

 4.  5.  6. 

 7.  8.  9. 

In Exercises 10–17, solve the inequality.

 10.  11. 

 12.  13. 

 14. The area of the rectangle shown is at most 140 square centimeters.

 a. Write and solve an inequality to find the possible
values of *x*.

 b. Based on the answer in part (a), is it possible for 
the rectangle to have a length of 15 centimeters?
Explain.

Name Date

Practice B

2.4

In Exercises 1–3, match the inequality with its graph.

 1.  2.  3. 

 A.

 B.

 C.

In Exercises 4–9, solve the inequality. Graph the solution.

 4.  5.  6. 

 7.  8.  9. 

In Exercises 10–15, solve the inequality.

 10.  11. 

 12.  13. 

 14.  15. 

 16. You must maintain a minimum balance of $50 in your checking account.
You currently have a balance of $280.

 a. Write and solve an inequality that represents how many $20 bills you
can withdraw from the account without going below the minimum
balance.

 b. Your bank charges an ATM fee of $2.50, which is charged each time
you withdraw $20. Write and solve an inequality that represents how
many $20 bills you can withdraw from the account without going
below the minimum balance in this situation.