

# Compound Inequalities Bell Work

Graph the solution set of each compound inequality.

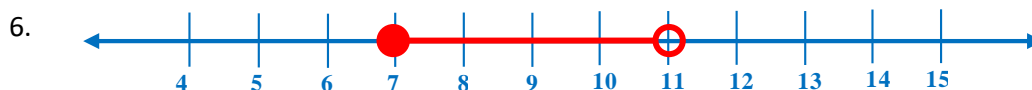
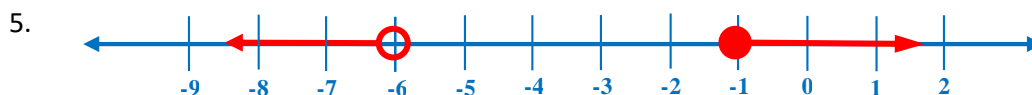
1.  $x \geq 4$  or  $x < 0$



2.  $x > 2$  or  $x \geq 5$



Write a compound inequality for each graph.



Solve each compound inequality. Then graph the solution set.

7.  $2x - 7 \leq 5$  and  $3x + 6 \geq 12$



8.  $11 < 3x - 4 < 20$

Name: \_\_\_\_\_ Period: \_\_\_\_\_ Date: \_\_\_\_\_

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**Write and solve each inequality.**

9. A number is less than negative two minus the number and at least negative four.

### Word Problem

10. **The weight of an apple is between 100 to 200 grams.** Write the compound inequality that describes the weight of an apple.