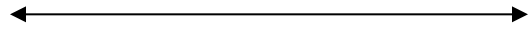


ALGEBRA 1
3-6 PRACTICE WORKSHEET

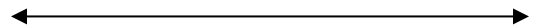
Name _____
 Date _____

For each statement, write a compound inequality and graph the solution.

1. All real numbers that are less than -3 or greater than or equal to 5.



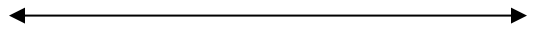
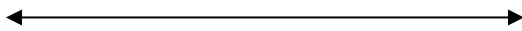
2. A certain recipe calls for a cake to bake between 25 and 30 minutes inclusive.



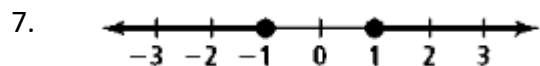
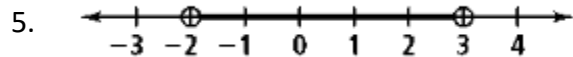
Using "x" as the variable, write each interval as a compound inequality. Then graph the interval.

3. $(-2, 3]$

4. $[5, \infty)$

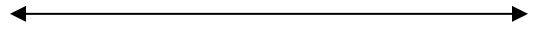


Write the compound inequality and interval notation represented by each graph.

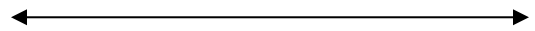


Solve each compound inequality, and write the solution in interval notation.
Then graph the solution. Be sure to state "and" or "or" in the solution.

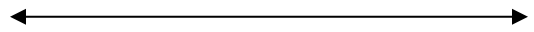
9. $5 < m - 2 < 11$



10. $5 - x > 4$ or $7x \geq 35$



11. $-1 < \frac{4 + k}{3} < 2$



12. $5 - \frac{2}{3}n \geq 7$ or $\frac{1}{4}n - 4 \geq -3$

