

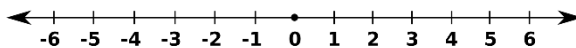
Algebra 1
Unit 3, Lesson 3 Notes
Compound Inequalities

Essential Question: How do I solve compound inequalities?

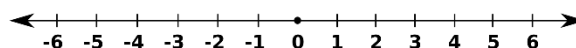
Practice graphing compound inequalities.

Graph:

1) $-1 < x < 2$

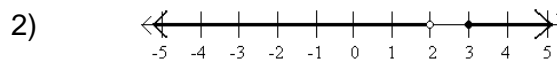
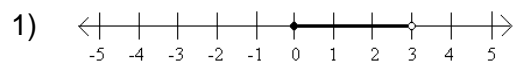


2) $x < 1$ or $x \geq 2$



Practice writing compound inequalities.

Write a compound inequality for the graph shown.



Solve and graph compound inequalities.

Solve. Graph your answer on a number line.

1) $-4 < 6x - 10 \leq 14$

2) $3x + 5 \leq 11$ or $5x - 7 \geq 23$

3) $-1 < 2x + 7 < 19$

4) $-8 \leq -x - 5 \leq 6$

5) $14 < 3x + 2 < 2$

6) $-3x \geq -6$ or $-3x \leq 6$