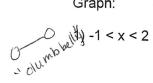


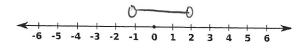
Algebra 1 Unit 3, Lesson 3 Notes Compound Inequalities

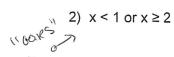
Essential Question: How do I solve compound inequalities?

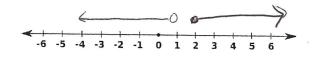
Practice graphing compound inequalities.

Graph:



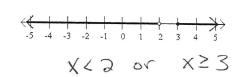






Practice writing compound inequalities.

Write a compound inequality for the graph shown.



Solve and graph compound inequalities.

Solve. Graph your answer on a number line.

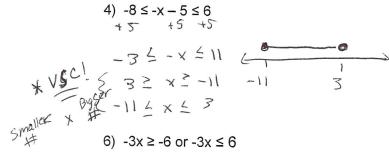
1) $-4 < 6x - 10 \le 14$

2)
$$3x + 5 \le 11 \text{ or } 5x - 7 \ge 23$$

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

 -7 -7
 $-8 < 2 × < 12$
 $-4 < × < 6$





5) 14 < 3x + 2 < 2