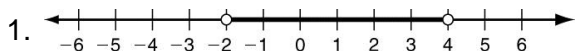
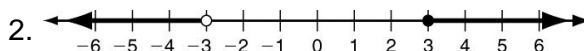


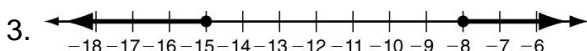
Show all your steps on your own sheet of paper.

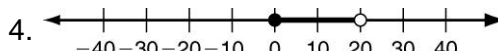
Solving Compound Inequalities

Write the compound inequality shown by each graph.



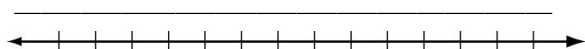




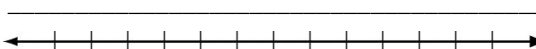


Solve each compound inequality and graph the solutions.

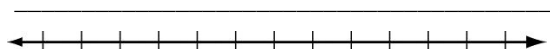
5. $-15 < x - 8 < -4$



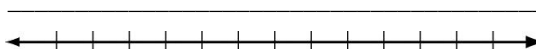
6. $12 \leq 4n < 28$



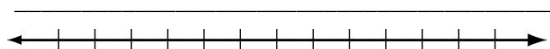
7. $-2 \leq 3b + 7 \leq 13$



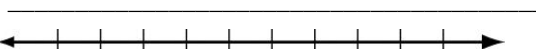
8. $x - 3 < -3$ OR $x - 3 \geq 3$



9. $5k \leq -20$ OR $2k \geq 8$

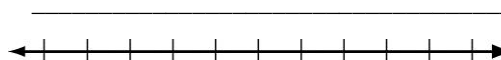


10. $2s + 3 \leq 7$ OR $3s + 5 > 26$



Write a compound inequality for each problem. Graph the solutions.

11. The human ear can distinguish sounds between 20 Hz and 20,000 Hz, inclusive.



12. For a man to box as a welterweight, he must weigh more than 140 lbs, but at most 147 lbs.

