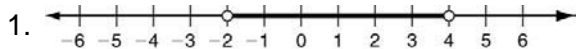
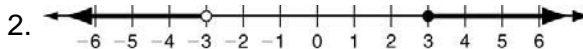


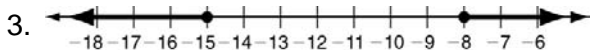
LESSON
2-6

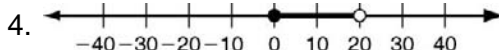
Practice B
Solving Compound Inequalities

Write the compound inequality shown by each graph.



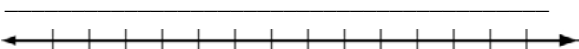




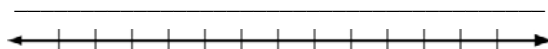


Solve each compound inequality and graph the solutions.

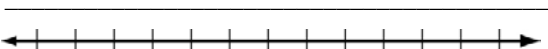
5. $-15 < x - 8 < -4$



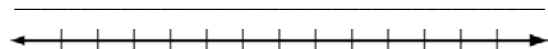
6. $12 \leq 4n < 28$



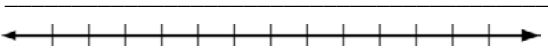
7. $-2 \leq 3b + 7 \leq 13$



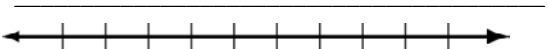
8. $x - 3 < -3$ OR $x - 3 \geq 3$



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

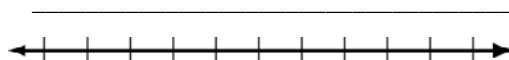


10. $2s + 3 \leq 7$ OR $3s + 5 > 26$

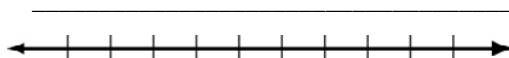


Write a compound inequality for each problem. Graph the solutions.

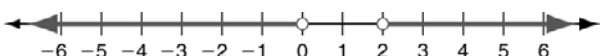
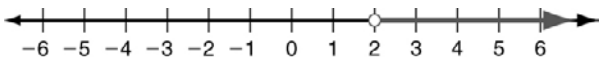
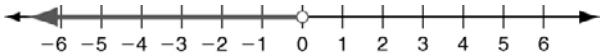
11. The human ear can distinguish sounds between 20 Hz and 20,000 Hz, inclusive.



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



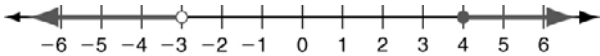
2.



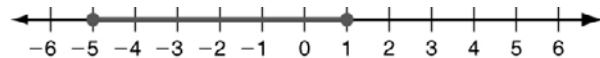
3. $x \leq -1$ OR $x \geq 5$

4. $x > -4$ AND $x \leq -1$

5. 5; 5; 5; 5; -3; 4



6. 1; 1; 1; 1; -10; 2; 2; 2; 2; 2; -5; 1



7. $400 \leq m \leq 600$



8. $6.40 \leq r \leq 9.80$



Practice B

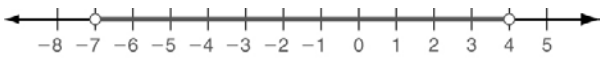
1. $-2 < x < 4$

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

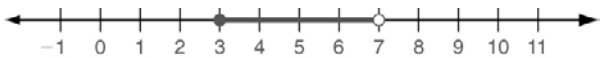
3. $x \leq -15$ OR $x \geq -8$

4. $0 \leq x < 20$

5. $-7 < x < 4$



6. $3 \leq n < 7$



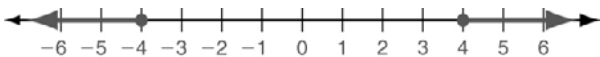
7. $-3 \leq b \leq 2$



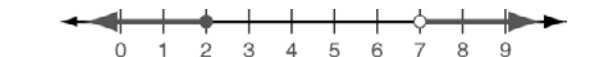
8. $x < 0$ OR $x \geq 6$



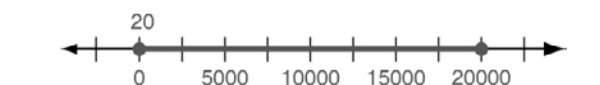
9. $k \leq -4$ OR $k \geq 4$



10. $s \leq 2$ OR $s > 7$



11. $20 \leq h \leq 20,000$

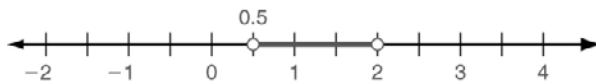


12. $140 < w \leq 147$

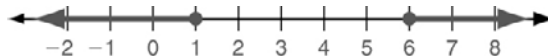


Practice C

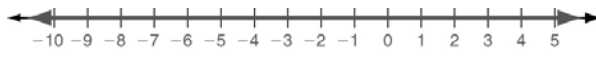
1. $0.5 < x < 2$



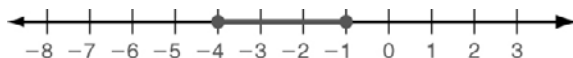
2. $a \leq 1$ OR $a \geq 6$



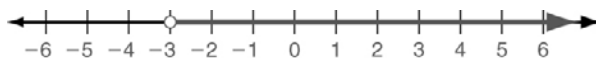
3. $y > -8$ OR $y \leq 3$; all real numbers



4. $-4 \leq x \leq -1$



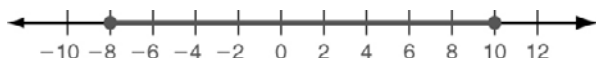
5. $k > -3$



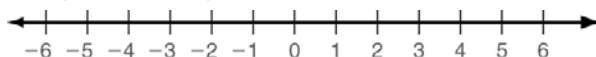
6. $z < -14$ OR $z \geq 1.8$



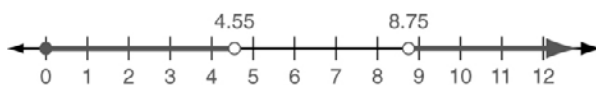
7. $-8 \leq n \leq 10$



8. $p > 2$ AND $p \leq -6$; no solutions



9. $0 < l < 4.55$ OR $l > 8.75$

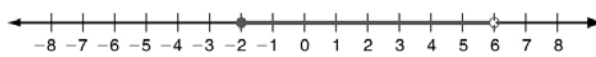
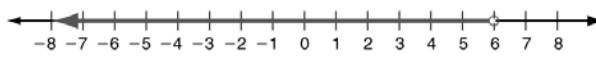
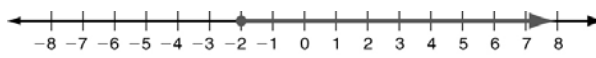


Review for Mastery

1. $-3 < x - 4$ $x - 4 \leq 10$

2. $8 \leq m + 4$ $m + 4 \leq 15$

3.



4. $-4 < k < 1$

