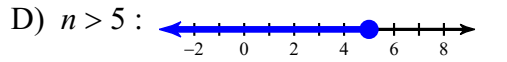
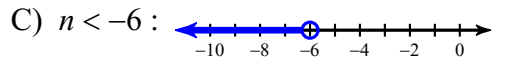
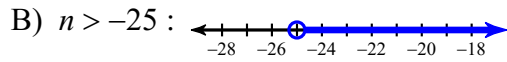
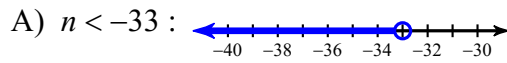


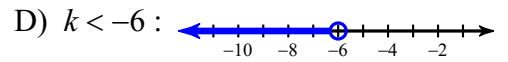
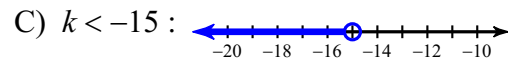
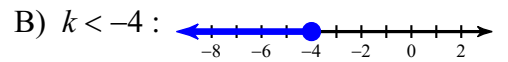
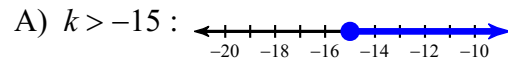
Inequalities Year 7 Review

Solve each inequality and graph its solution.

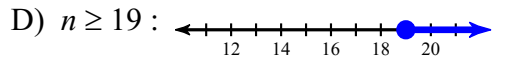
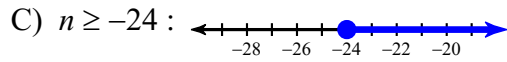
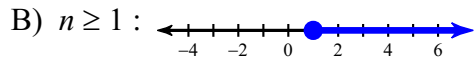
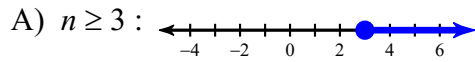
1) $-88 > 8(n - 5)$



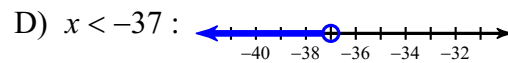
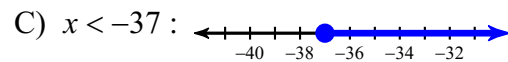
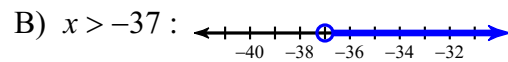
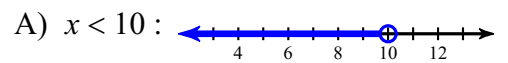
2) $4 > 5 + \frac{k}{6}$



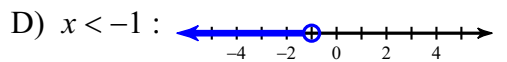
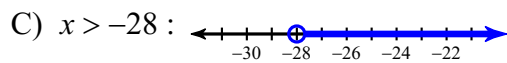
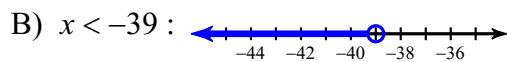
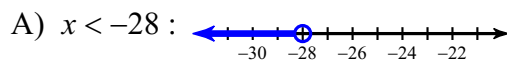
3) $-9 - 10n \leq -199$



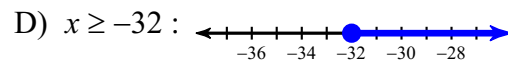
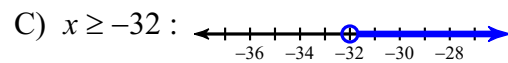
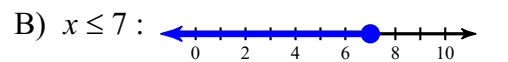
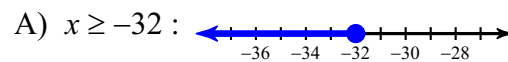
4) $\frac{x}{5} + 8 < 10$



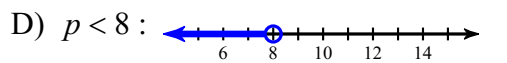
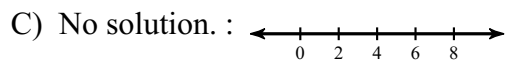
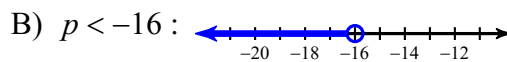
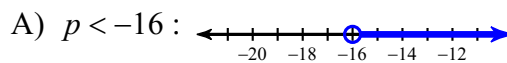
5) $3x - 10 < -13$



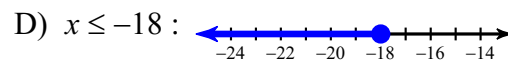
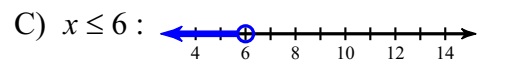
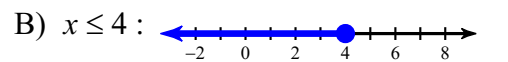
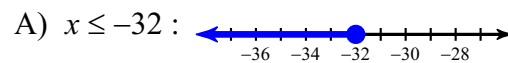
6) $-336 \leq 8(7 - 7x)$



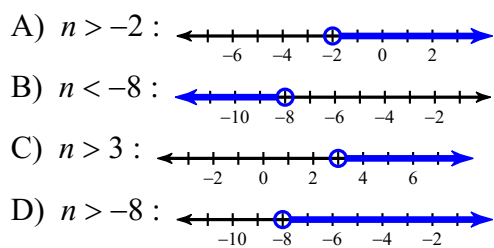
7) $3(-4p - 1) > -99$



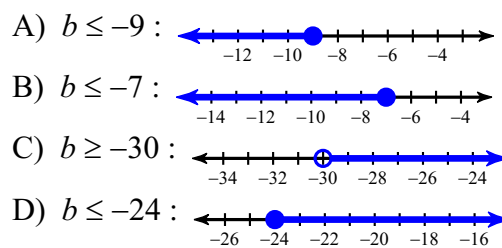
8) $189 \geq 6x + 5(1 + 8x)$



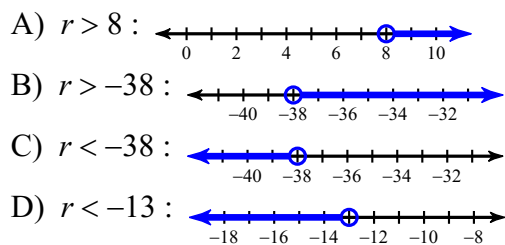
9) $2(6n + 5) < -86$



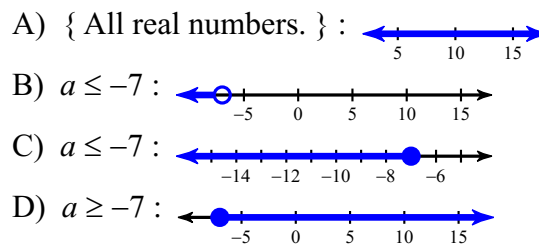
10) $100 \leq 4(-4b - 3)$



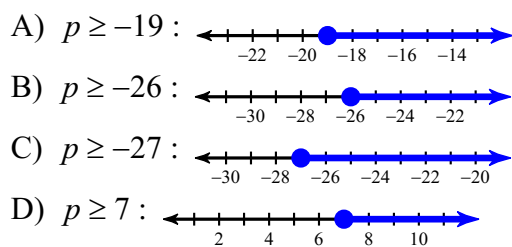
11) $144 < 6(8 + 2r)$



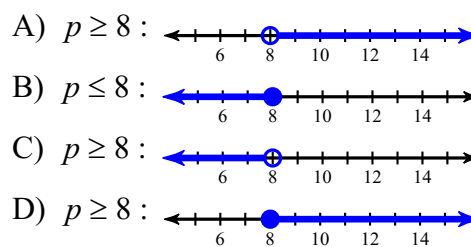
12) $112 \leq -7(3a + 5)$



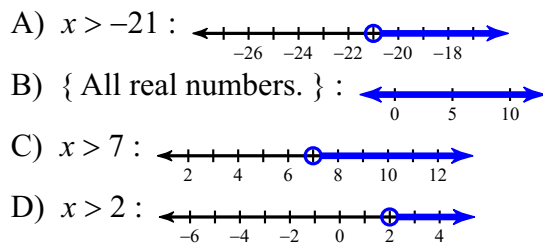
13) $3(1 - 4p) \leq -81$



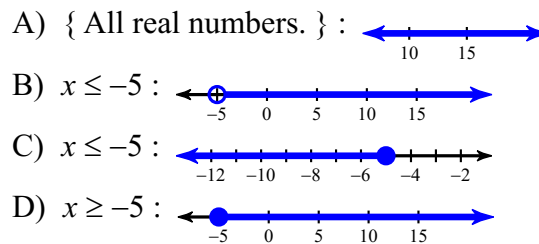
14) $91 \leq 7(p + 5)$



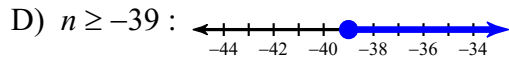
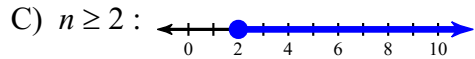
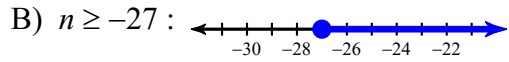
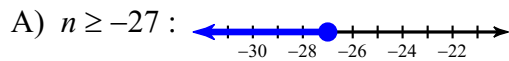
15) $4(1 + 3x) > 88$



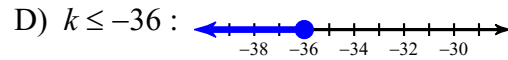
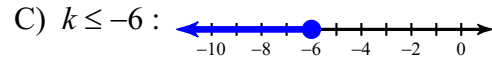
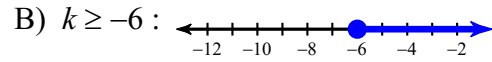
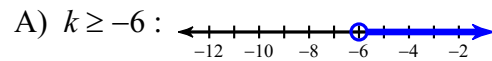
16) $7(4x + 2) \leq -126$



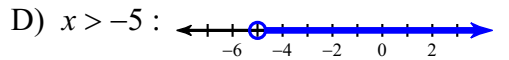
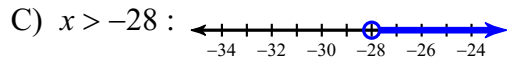
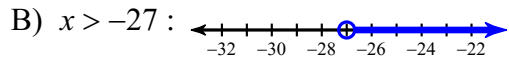
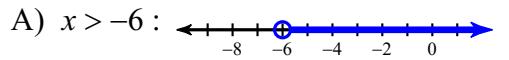
17) $90 \leq 6(7n + 1)$



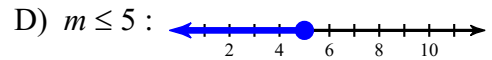
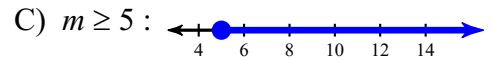
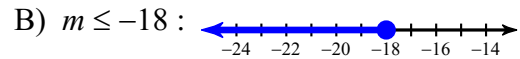
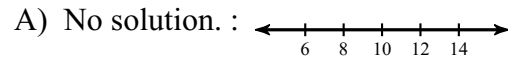
18) $4(-5k + 6) \geq 144$



19) $-6(2x - 3) + 1 < 91$

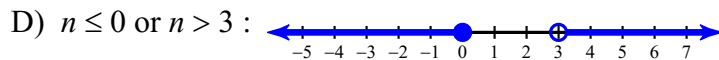
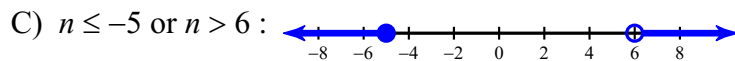
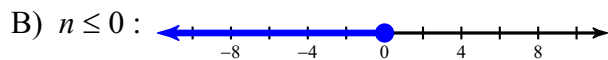
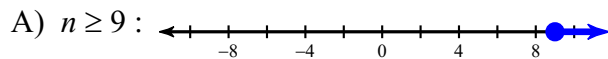


20) $-123 \leq 5(1 - 5m) - 3$

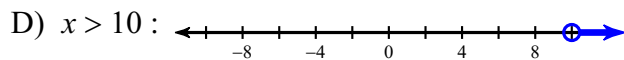
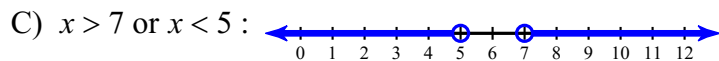
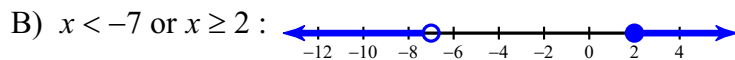
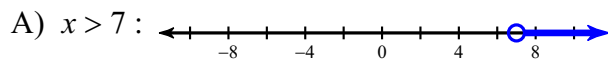


Solve each compound inequality and graph its solution.

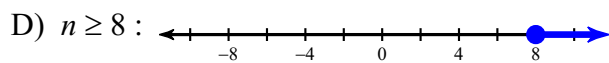
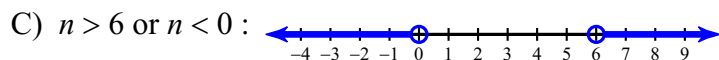
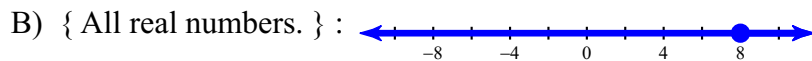
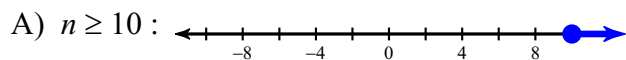
21) $-2n \geq 0$ or $4n > 12$



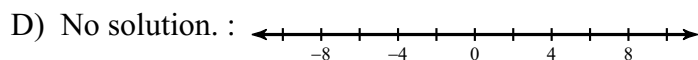
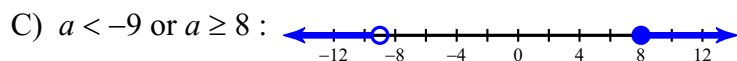
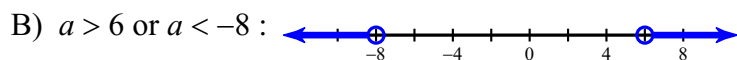
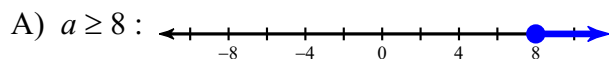
22) $4x > 28$ or $x - 10 < -5$



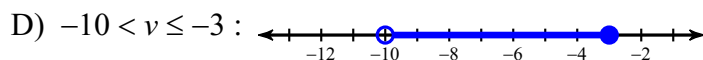
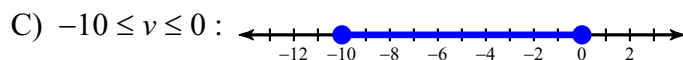
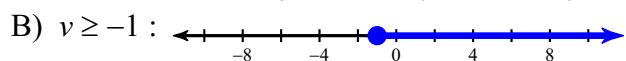
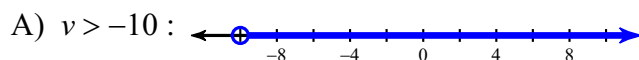
23) $n + 4 > 10$ or $n - 6 < -6$



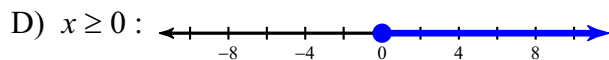
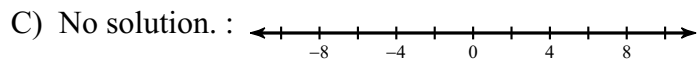
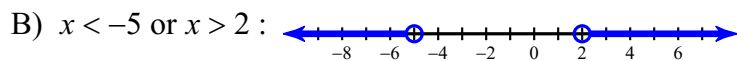
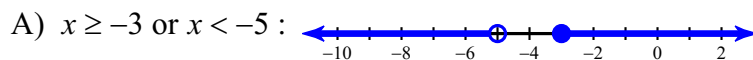
24) $4a < -36$ or $a - 3 \geq 5$



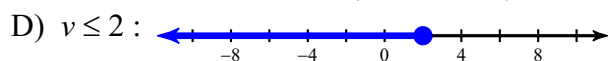
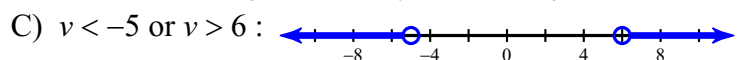
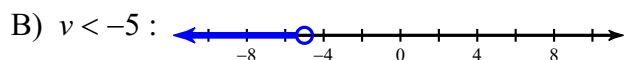
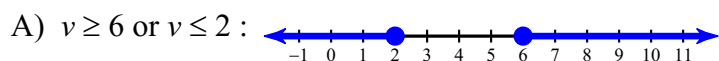
25) $\frac{v}{2} \leq 0$ and $v + 10 \geq 0$



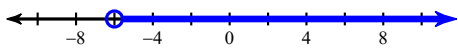
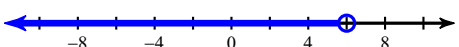
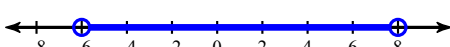
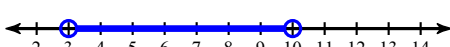
26) $x + 9 \geq 6$ or $x - 7 < -12$



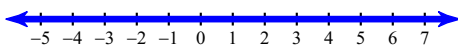
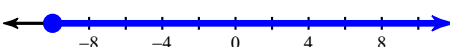
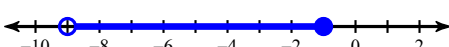
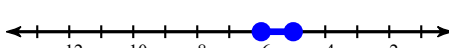
27) $\frac{v}{3} \geq 2$ or $\frac{v}{2} \leq 1$



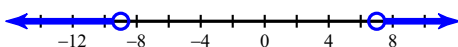
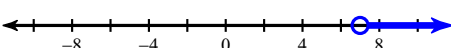
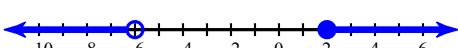
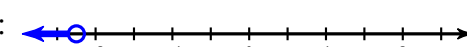
28) $1 < x + 7 < 15$

- A) $x > -6$: 
- B) $x < 6$: 
- C) $-6 < x < 8$: 
- D) $3 < x < 10$: 

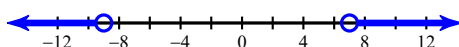
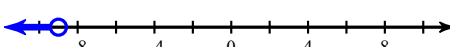
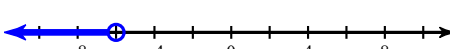
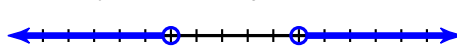
29) $-60 \leq 10k \leq -50$

- A) $-8 \leq k \leq 7$: 
- B) $k \geq -10$: 
- C) $-9 < k \leq -1$: 
- D) $-6 \leq k \leq -5$: 

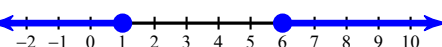
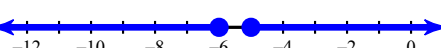
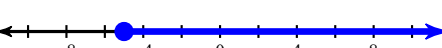
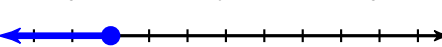
30) $v - 4 < -10$ or $v + 8 \geq 10$

- A) $v < -9$ or $v > 7$: 
- B) $v > 7$: 
- C) $v < -6$ or $v \geq 2$: 
- D) $v < -9$: 

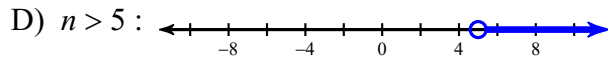
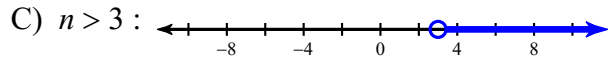
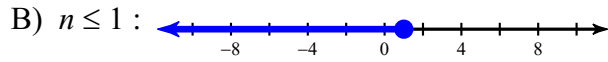
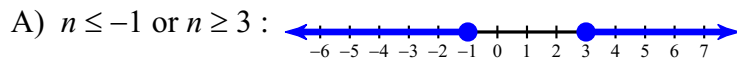
31) $2 + m < -7$ or $\frac{m}{7} > 1$

- A) $m < -9$ or $m > 7$: 
- B) $m < -9$: 
- C) $m < -6$: 
- D) $m < -6$ or $m > -1$: 

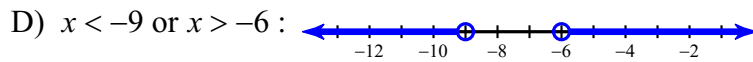
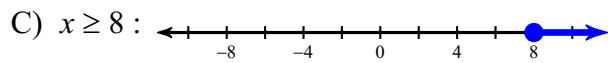
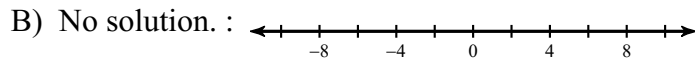
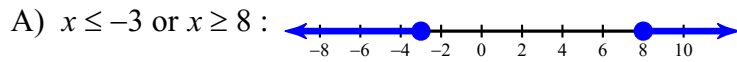
32) $a + 3 \leq -3$ or $a + 10 \geq 5$

- A) $a \leq 1$ or $a \geq 6$: 
- B) $a \leq -6$ or $a \geq -5$: 
- C) $a \geq -5$: 
- D) $a \leq -6$: 

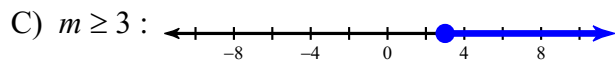
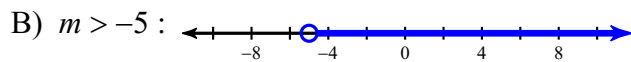
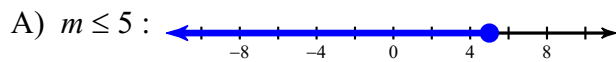
33) $n - 6 \leq -7$ or $-7n \leq -21$



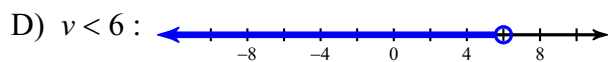
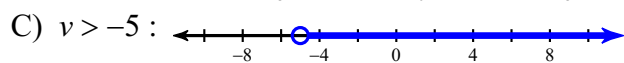
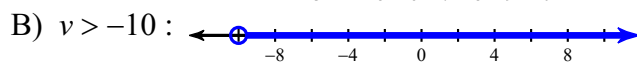
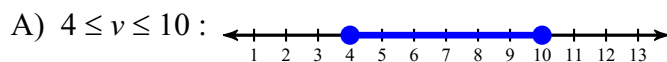
34) $8x < -72$ or $x - 7 > -13$



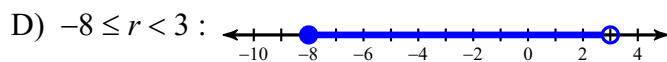
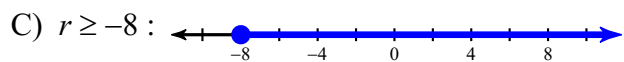
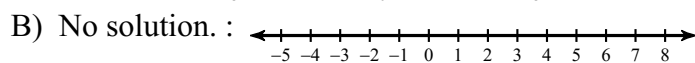
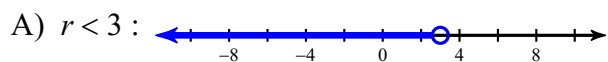
35) $9 \leq m + 6 < 14$



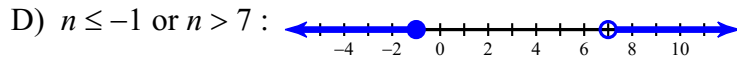
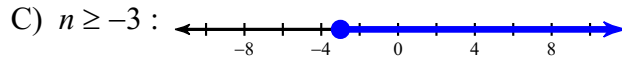
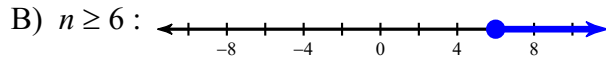
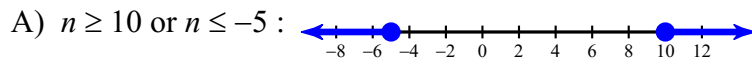
36) $v - 3 \leq 7$ and $5v + 8 \geq 28$



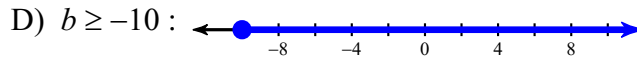
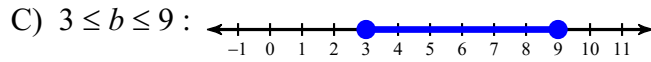
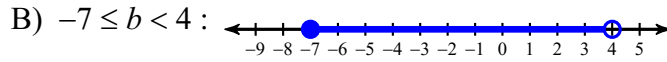
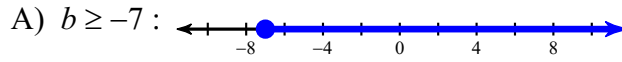
37) $-71 \leq 8r - 7 < 17$



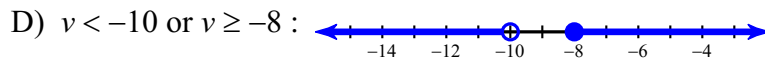
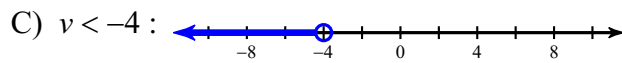
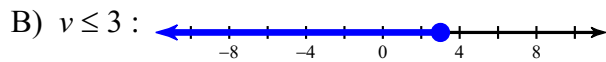
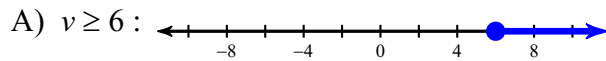
38) $3 - 5n \leq -47$ or $-8 - 3n \geq 7$



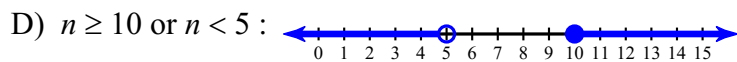
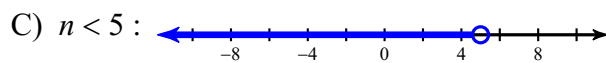
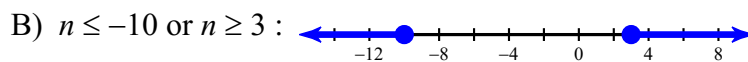
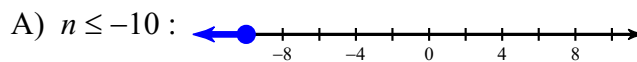
39) $-39 \leq -4b - 3 \leq -15$



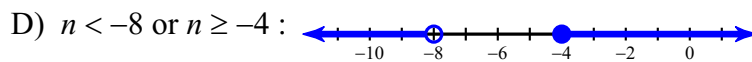
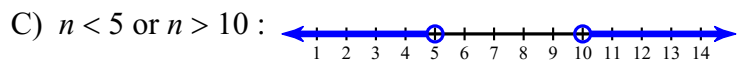
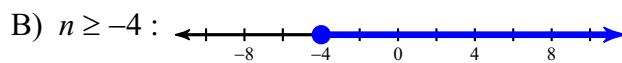
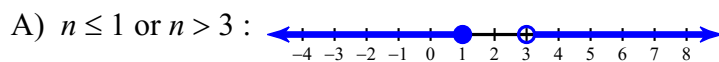
40) $-5 + 4v < -45$ or $4 + 9v \geq -68$



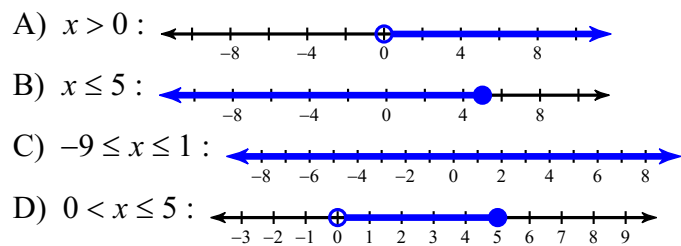
41) $3n - 4 \geq 26$ or $3 - 9n > -42$



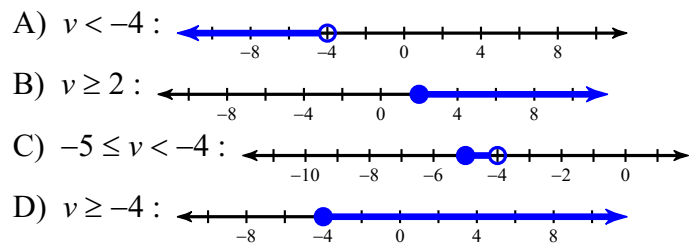
42) $-3n - 2 \geq -5$ or $4 + 6n > 22$



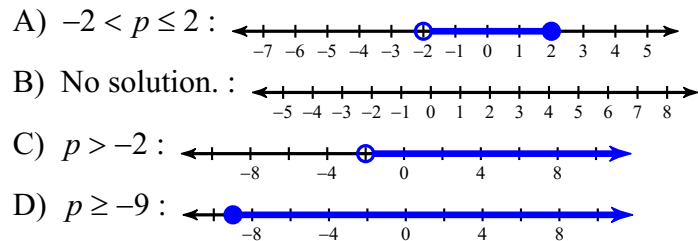
43) $10 < 9x + 10 \leq 55$



44) $5 - v \leq 10$ and $-2 - 10v > 38$



45) $-6 \leq 2 - 4p < 10$



Answers to Inequalities Year 7 Review (ID: 1)

1) C
5) D
9) B
13) D
17) C
21) D
25) C
29) D
33) A
37) D
41) D
45) A

2) D
6) B
10) B
14) D
18) C
22) C
26) A
30) C
34) D
38) A
42) A

3) D
7) D
11) A
15) C
19) A
23) C
27) A
31) A
35) D
39) C
43) D

4) A
8) B
12) C
16) C
20) D
24) C
28) C
32) B
36) A
40) D
44) C