Solve each compound inequality. Except for the empty set, express the solution set in interval notation:
Random Seed: 451757

1. $x \geq 12$ and $x > -6$
2. $x > -19$ and $x < 7$
3. $x > 7$ and $x < -5$
4. $x \geq 18$ and $x \leq -6$
5. $x \geq 6$ and $x < 15$
6. $x > 14$ and $x < -11$
7. $x > 12$ and $x < 8$
8. $x \leq -6$ and $x < -8$
9. $x < 11$ and $x < -14$
10. $x \leq 1$ and $x > 5$
11. $x > 12$ and $x > 2$
12. $x > 18$ and $x > -16$
13. $x \leq -18$ and $x > -2$
14. $x \leq 8$ and $x \geq 11$
15. $x \geq 5$ and $x < 18$
16. $x + 5 < 12$ and $-2x + 9 < -6$
17. $-9x + 2 \leq -19$ and $-4x - 4 \leq 7$
18. $2x - 7 < 7$ and $-8x - 2 > -5$
19. $3x + 9 \geq 18$ and $-5x - 4 \leq -6$
20. $-9x + 7 \leq 6$ and $2x + 9 \leq 15$
21. $-2x + 5 \leq 14$ and $-4x - 8 \geq -11$
22. $-4x - 8 \geq 12$ and $x + 4 < 8$
23. $-4x - 9 \leq -6$ and $9x - 7 \leq -8$
24. $-x - 2 \geq 11$ and $-5x - 9 \geq -14$
25. $-2x - 7 \leq 1$ and $-7x - 5 \geq 5$
26. $7x - 5 < 12$ and $-7x - 4 < 2$
27. $-3x - 2 > 18$ and $-6x - 4 > -16$
28. $6x - 2 < -18$ and $8x - 5 > -2$
29. $6x + 5 \geq 8$ and $-2x + 8 \leq 11$
30. $4x - 5 > 5$ and $3x + 9 \leq 18$
31. $x \leq -6$ or $x < -2$
32. $x \leq 7$ or $x < -4$
33. $x \geq -5$ or $x > -8$
34. $x < -6$ or $x < -5$
35. $x \leq 15$ or $x \geq 2$
36. $x \geq -11$ or $x < -4$
37. $x > 8$ or $x < 1$
38. $x \geq -8$ or $x > 9$
39. $x \leq -14$ or $x \geq -5$
40. $x \leq 5$ or $x \geq -7$
41. $x > 2$ or $x \geq -7$
42. $x \leq -16$ or $x \leq -6$
43. $x \leq -2$ or $x > 8$
44. $x \leq 11$ or $x > -2$
45. $x \geq 18$ or $x \leq 3$
46. $-9x + 12 \leq -6$ or $5x + 1 > -11$
47. $-5x - 19 \geq 7$ or $2x - 9 \leq -1$
48. $5x + 7 < -5$ or $-7x + 2 > -11$
49. $3x + 18 > -6$ or $9x + 3 < -10$
50. $-2x + 6 > 15$ or $7x - 9 > -5$
51. $-8x + 14 \geq -11$ or $5x - 2 > -1$
52. $x + 12 \leq 8$ or $-8x - 4 \geq 10$
53. $9x - 6 \leq -8$ or $-9x - 4 > 11$
54. $x + 11 \geq -14$ or $-2x - 1 \leq -8$
55. $-5x + 1 < 5$ or $-7x - 2 < -10$
56. $-5x + 12 > 2$ or $-5x + 7 \geq 8$
57. $-5x + 18 \leq -16$ or $-2x - 3 < 2$
58. $-4x - 18 < -2$ or $-2x + 6 \geq 1$
59. $-11x + 8 < 11$ or $5x + 6 \leq 8$
60. $-3x + 5 > 18$ or $-5x + 4 \leq 2$
61. $-1 \leq x < 3$
62. $-7 \leq x < -3$
63. $-9 \leq x < 6$
64. $5 \leq x \leq 10$
65. $-2 < x < 10$
66. $-9 < x < -1$
67. $-10 < x \leq -3$
68. $-9 \leq x \leq 10$
69. $-6 < x < 3$
70. $2 \leq x \leq 5$
71. $-3 \leq x \leq 6$
72. $4 < x \leq 11$
73. $-7 < x < -5$
74. $7 \leq x < 11$
75. $-3 < x < 8$
76. $-6 \leq -11x - 9 < -3$
77. $3 \leq -x - 5 < 11$
78. $-10 \leq -11x + 5 \leq 11$
79. $-5 \leq -10x + 3 < 1$
80. $-11 < -5x - 2 \leq 11$
81. $-11 \leq -x - 8 < 10$
82. $4 \leq 10x + 1 \leq 7$
83. $-3 \leq 11x + 9 \leq 4$
84. $-9 \leq -8x + 1 \leq 1$
85. $2 \leq -10x - 5 < 5$
86. $-7 \leq 8x - 5 < 2$
87. $-2 < 2x - 5 < 5$
88. $-10 \leq x - 4 < -4$
89. $-6 \leq 8x - 11 \leq 6$
90. $1 \leq 2x - 3 < 3$

1. $[12, \infty)$
2. $(-19, 7)$
3. $\emptyset$
4. $\emptyset$
5. $[6, 15)$
6. $\emptyset$
7. $\emptyset$
8. $(-\infty, -8)$
9. $(-\infty, -14)$
10. $\emptyset$
11. $(12, \infty)$
12. $(18, \infty)$
13. $\emptyset$
14. $\emptyset$
15. $[5, 18)$
16. $\emptyset$
17. $[7/3, \infty)$
18. $(-\infty, 3/8)$
19. $[3, \infty)$
20. $[1/9, 3]$
21. $[-9/2, 3/4]$
22. $(-\infty, -5]$
23. $[-3/4, -1/9]$
24. $(-\infty, -13]$
25. $[-4, -10/7]$
26. $(-6/7, 17/7)$
27. $(-\infty, -20/3)$
28. $\emptyset$
29. $[1/2, \infty)$
30. $(5/2, 3]$
31. $(-\infty, -2)$
32. $(-\infty, 7]$
33. $(-8, \infty)$
34. $(-\infty, -5)$
35. $(-\infty, \infty)$
36. $(-\infty, \infty)$
37. $(-\infty, 1) \cup (8, \infty)$
38. $[-8, \infty)$
39. $(-\infty, -14] \cup [-5, \infty)$
40. $(-\infty, \infty)$
41. $[-7, \infty)$
42. $(-\infty, -6]$
43. $(-\infty, -2] \cup (8, \infty)$
44. $(-\infty, \infty)$
45. $(-\infty, 3] \cup [18, \infty)$
46. $(-12/5, \infty)$
47. $(-\infty, 4]$
48. $(-\infty, 13/7)$
49. $(-\infty, \infty)$
50. $(-\infty, -9/2) \cup (4/7, \infty)$
51. $(-\infty, \infty)$
52. $(-\infty, -7/4]$
53. $(-\infty, -2/9]$
54. $[-25, \infty)$
55. $(-4/5, \infty)$
56. $(-\infty, 2)$
57. $(-5/2, \infty)$
58. $(-\infty, \infty)$
59. $(-\infty, \infty)$
60. $(-\infty, -13/3) \cup [2/5, \infty)$
61. $[-1, 3)$
62. $[-7, -3)$
63. $[-9, 6)$
64. $[5, 10]$
65. $(-2, 10)$
66. $(-9, -1)$
67. $(-10, -3]$
68. $[-9, 10]$
69. $(-6, 3)$
70. $[2, 5]$
71. $[-3, 6]$
72. $(4, 11]$
73. $(-7, -5)$
74. $[7, 11)$
75. $(-3, 8)$
76. $(-6/11, -3/11]$
77. $(-16, -8]$
78. $[-6/11, 15/11]$
79. $(1/5, 4/5]$
80. $[-13/5, 9/5)$
81. $(-18, 3]$
82. $[3/10, 3/5]$
83. $[-12/11, -5/11]$
84. $[0, 5/4]$
85. $(-1, -7/10]$
86. $[-1/4, 7/8)$
87. $(3/2, 5)$
88. $[-6, 0)$
89. $[5/8, 17/8]$
90. $[2, 3)$