Solve each system of inequalities.

Solve for x. Show your work.

1. $8x + -11 \leq 9$

2. $7x + 19 \leq 6$

3. $9x + 13 \leq -1$

4. $9x + -10 \leq 6$

5. $8x + -8 \leq -3$

6. $8x + 5 \leq -3$

7. $10x + 12 \leq 5$

8. $5x + 1 \leq -6$

Solve each system of inequalities. – Answer Key

1. $8x + -11 \leq 9$

   x = 2.50

2. $7x + 19 \leq 6$

   x = -1.86

3. $9x + 13 \leq -1$

   x = -1.56

4. $9x + -10 \leq 6$

   x = 1.78

5. $8x + -8 \leq -3$

   x = 0.62

6. $8x + 5 \leq -3$

   x = -1

7. $10x + 12 \leq 5$

   x = -0.70

8. $5x + 1 \leq -6$

   x = -1.40