

Name _____ Date _____ Period _____

3.2 – Solving Compound Inequalities

Solve the inequality.

1. $-3 \leq x - 3 \leq 6$

2. $-14 < 2x + 3 \leq 6$

3. $4 \leq -3x - 1 \leq 9$

4. $-3 \leq -x - 5 \leq 0$

5. $-1 < -2x + 1 \leq 5$

6. $-7 \leq 5x - 2 < 3$

Solve the inequality. Then sketch its graph.

7. $4 \leq x + 5 \leq 5$



8. $x - 1 \leq 5$ or $x + 3 \geq 10$



9. $x - 4 < 0$ or $x - 6 \geq 4$



10. $-3 < 2x - 3 \leq 17$



11. $x + \frac{1}{2} \leq -3$ or $x - 3 > -2$



12. $0 \leq \frac{1}{3}x - 1 \leq 3$

