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Solve each of the following quadratic inequalities. Represent the solution set as an interval or as the union of intervals. (Express irrational numbers rounded to two significant digits.)

1. $x^2 - 4x + 3 < 0$

2. $x^2 - 5x - 14 \leq 0$

3. $3x^2 + 7x - 6 > 0$

4. $15x^2 + 11x + 2 \geq 0$

5. $x^2 - x - 3 < 0$

6. $(x + 1)^2 \leq 5x + 11$

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Solve each of the following quadratic inequalities. Represent the solution set as an interval or as the union of intervals. (Express irrational numbers rounded to two significant digits.)

7. $2x(3x + 1) - 3(x + 2) > 6$

8. $x(3x + 2) \geq 2x(3x - 1)$

9. $x^2 + 6x - 27 < 0$

10. $x^2 - 8x + 15 \geq 0$