

Quadratic Inequalities *fluency*

 **Solve**

1 $x^2 < 9$

2 $x^2 \leq 16$

3 $x^2 < 2.25$

4 $x^2 - 25 < 0$

5 $2x^2 < 50$

6 $x^2 \leq 1$

 **Solve**

7 $x^2 > 4$

8 $x^2 \geq 36$

9 $x^2 - 49 > 0$

10 $3x^2 > 27$

11 $x^2 \geq 0.25$

12 $x^2 - 81 \geq 0$

 **Solve**

13 $(x - 2)(x + 3) < 0$

14 $(x + 1)(x - 5) \leq 0$

15 $(x - 4)(x - 7) > 0$

16 $(x + 6)(x + 2) \geq 0$

17 $x(x - 3) < 0$

18 $(2x - 1)(x + 4) \leq 0$

 **Solve**

19 $x^2 - 5x + 6 < 0$

20 $x^2 + 2x - 15 > 0$

21 $x^2 - x - 12 \leq 0$

22 $x^2 + 7x + 10 \geq 0$

23 $x^2 - 6x < 0$

24 $2x^2 + 5x - 3 > 0$

 **Solve**

25 $x^2 < 3x + 10$

26 $x^2 + 4x \geq 12$

27 $x^2 > 2x + 8$

28 $x^2 + 6 \leq 5x$

29 $2x^2 < x + 6$

30 $12 - x - x^2 > 0$