

Working in your group, determine whether each mathematical sentence is a quadratic inequality or not.

1. $2x^2 - 3 = 0$

2. $(x + 1)(x - 3) \geq 0$

3. $3s + 9 \leq 21$

4. $3 - 2x^2 = 0$

5. $r^2 + 10r \leq -16$

6. $x(x - 3) + 1 \geq 0$

7. $\sqrt{8x} - 7 \leq 0$

8. $m^2 = 6m - 7$

9. $3w^2 + 12w < 0$

10. $\left(x - \frac{1}{2}\right)^2 - \frac{1}{4} \leq 0$