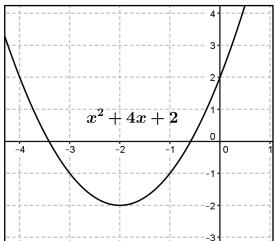
Quadratics 7 – Solving Quadratic Inequalities

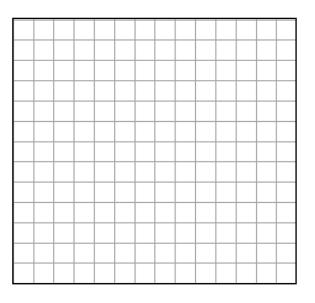
Homework #2

Write your answer in the three standard forms (complete sentence, set notation, and interval notation).

1. Using the graph to the right, solve for x such that $x^2 - x - 6 \le 0$

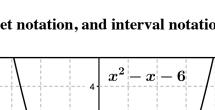
2. Using the graph to the right, solve for x such that $x^2 + 4x + 2 > -1$





3. Solve for x such that -(x+2)(x-4) < 0.



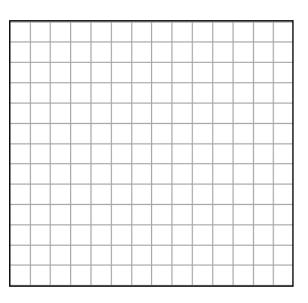


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4. Solve for x such that $2(x-1)^2 - 2 \le 0$.

5. Solve for x such that $x^2 - x - 5 \ge 0$.

- **6.** Using the graph to the right
 - **a.** Solve for *x* when f(x) = g(x)
 - *x* = _____
 - **b.** Solve for x when g(x) > f(x). Write your answer in one of the three forms.

