

Name: _____

MATH 100

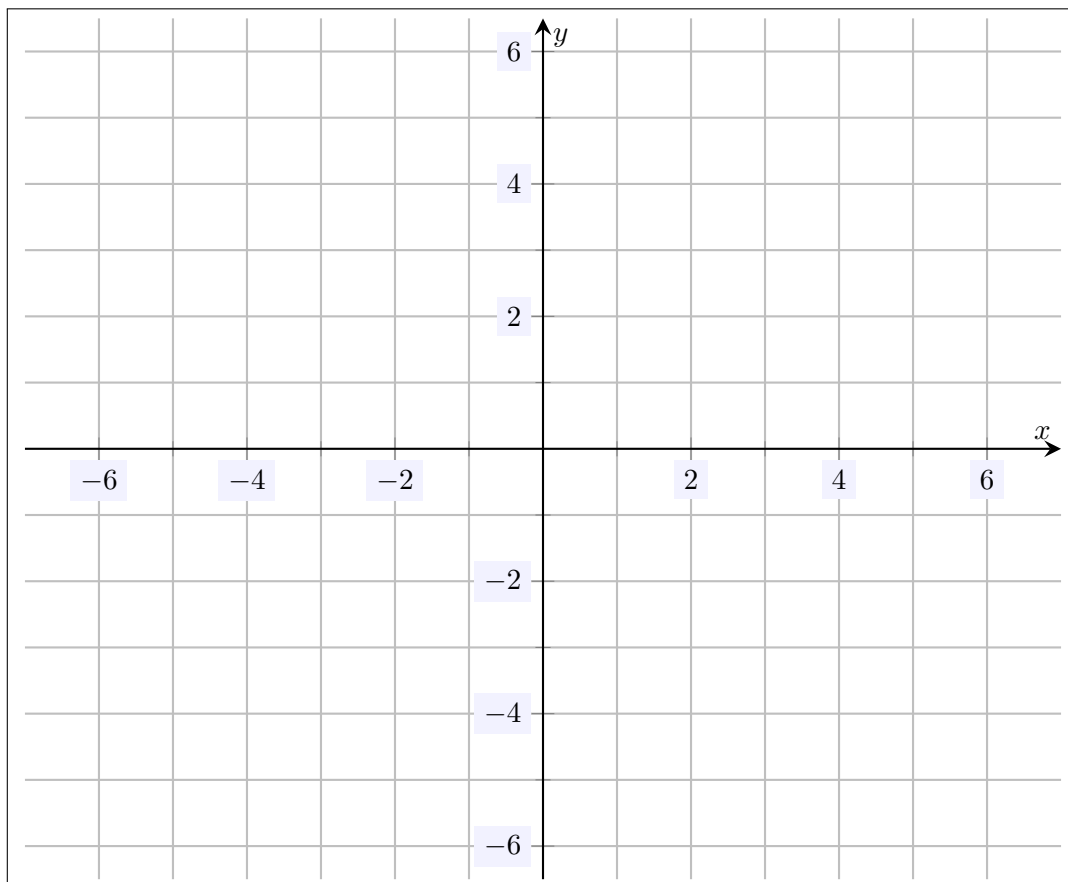
Fall 2021

HW 8: Due 10/27

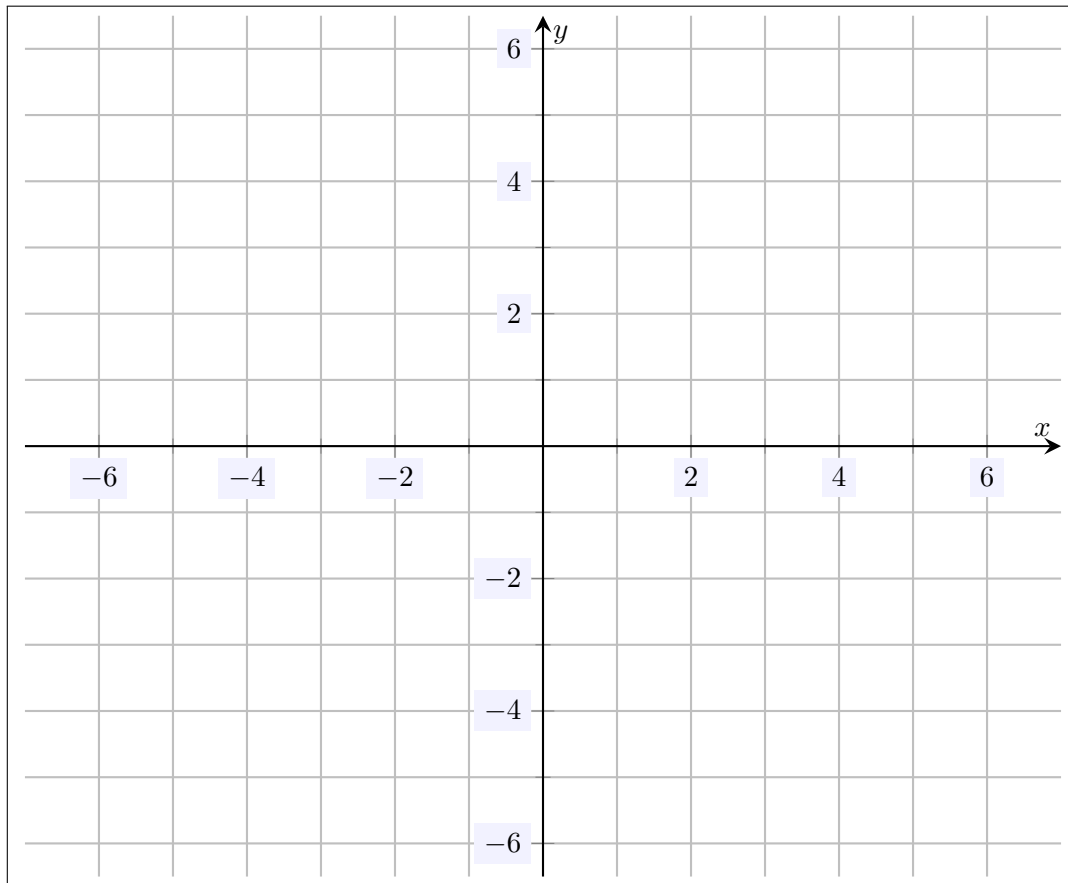
*“Cleanliness becomes more important
when godliness is unlikely.”*

–P.J. O’Rourke

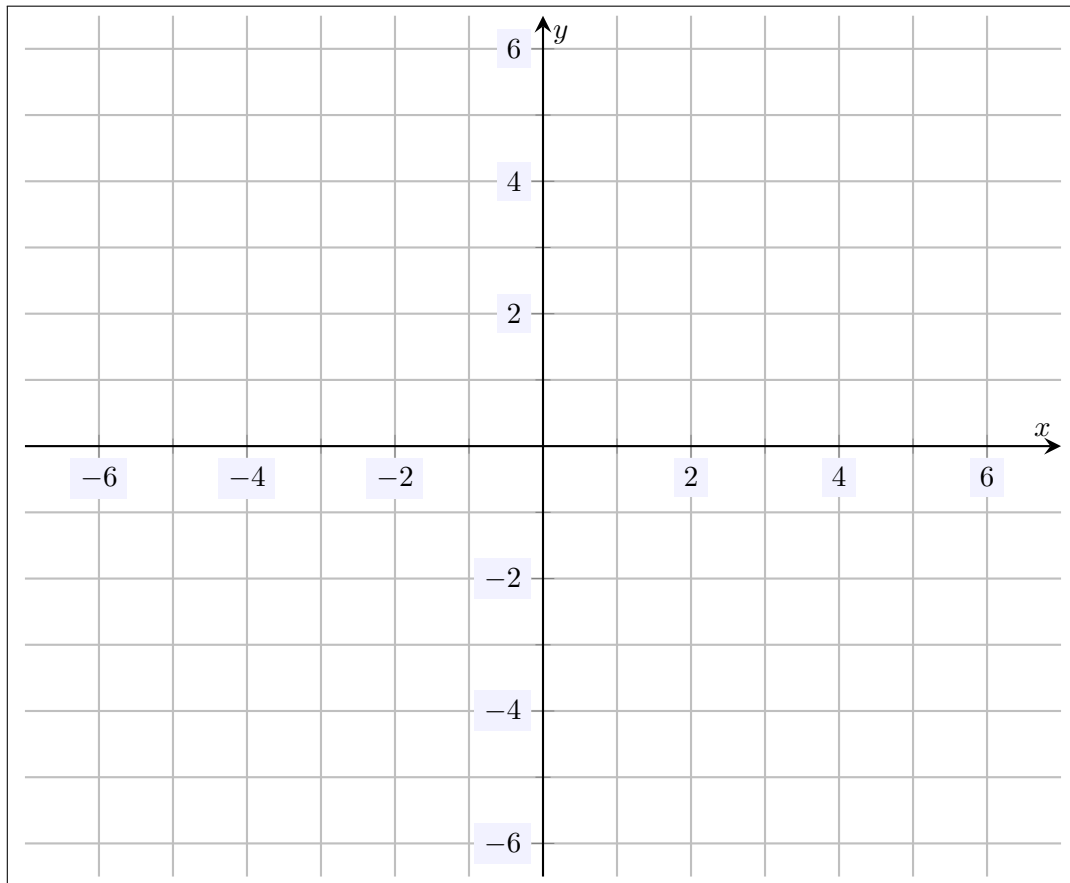
Problem 1. (10pt) Plot the quadratic function $y = 2x^2 - 3x + 4$ as accurately as possible. Your sketch should include the vertex and axis of symmetry.



Problem 2. (10pt) Plot the quadratic function $y = -x^2 - 4x + 1$ as accurately as possible. Your sketch should include the vertex and axis of symmetry.



Problem 3. (10pt) Give a rough sketch of the quadratic function $y = 2(x + 1)^2 - 2$. Your sketch should include the vertex and axis of symmetry.



Problem 4. (10pt) Give a rough sketch of the quadratic function $y = 5 - (x - 1)^2$. Your sketch should include the vertex and axis of symmetry.

