MATH 2D Prep: Linear and Quadratic Curves
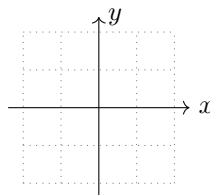
Facts to Know:

1. Straight line:

   Equation: Graph:
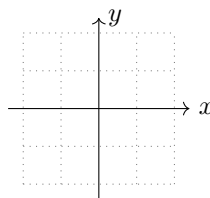
2. Circle:

   Equation: Graph:
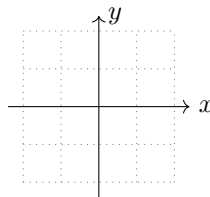
3. Ellipse:

   Equation: Graph:
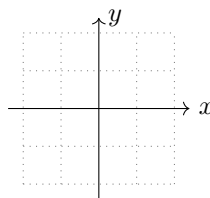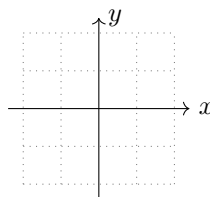
4. Parabola:

   Equation: Graph:

5. Hyperbola:

   Equation: Graph:

Examples:

1. Sketch the intersections of the line $y = x + 1$ and the hyperbola $x^2 - 4y^2 = 1$