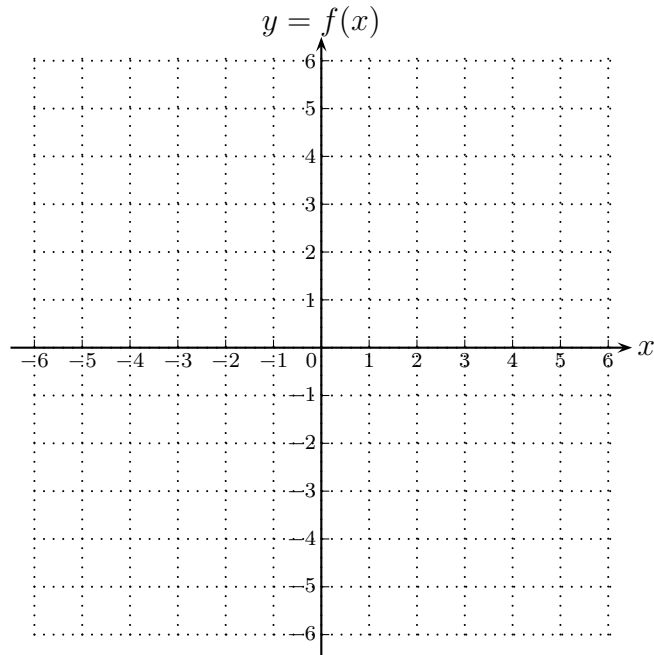


College Algebra Worksheet (1)

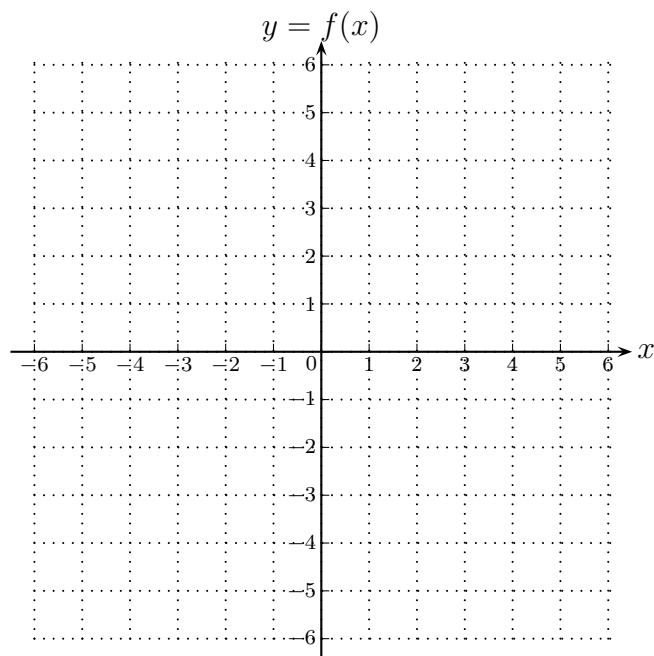
Graphs of Basic Functions

For each function below, calculate and plot several points and graph it. For example, for $f(x) = \sqrt{x}$ you may include the points (0; 0), (1; 1) and (4; 2)).

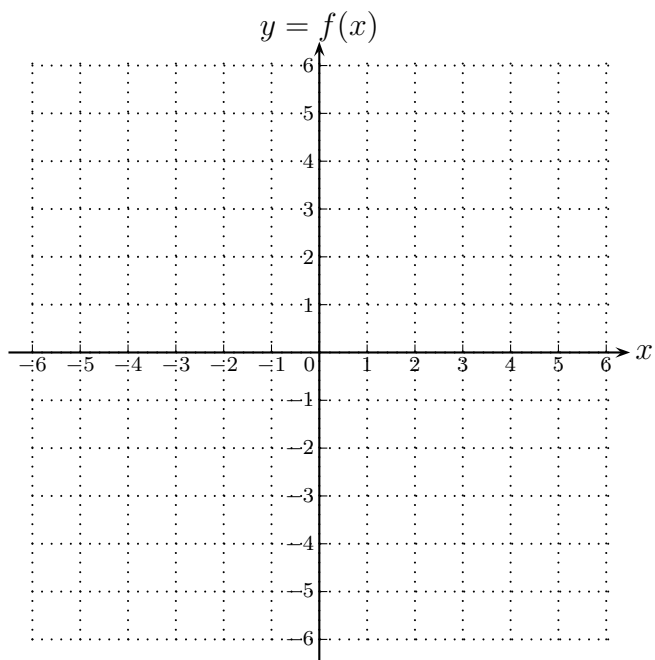
Q1. $f(x) = x$.



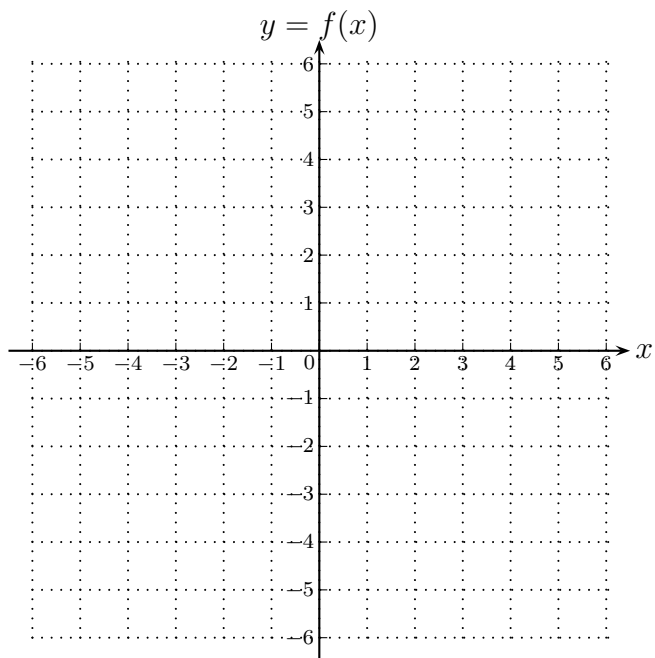
Q2. $f(x) = x^2$.



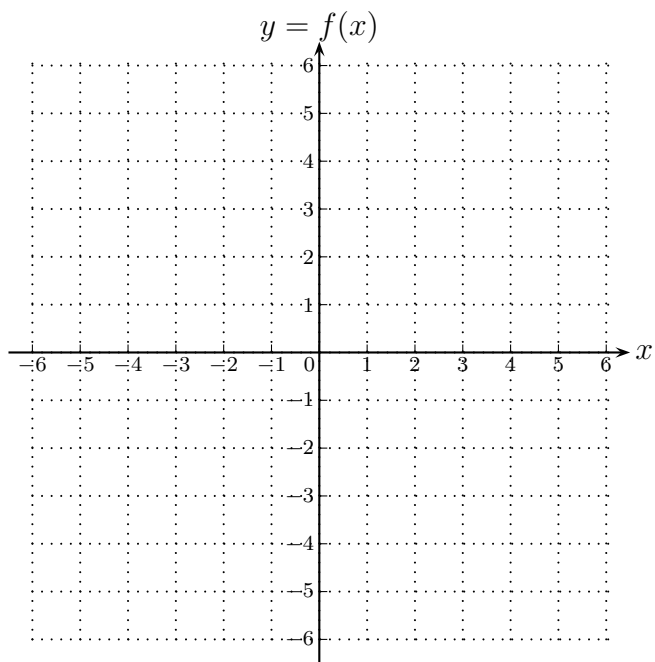
Q3. $f(x) = x^3$.



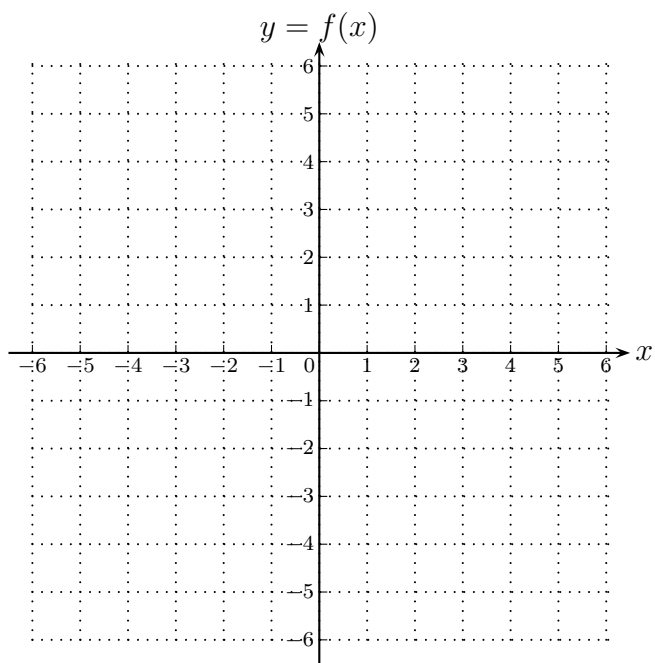
Q4. $f(x) = |x|$.



Q5. $f(x) = \sqrt{x}$.



Q6. $f(x) = \frac{1}{x}$.



Q6. $f(x) = \sqrt{3^2 - x^2}$.

