Algebra 1 – Chapter 8: Graphing Quadratic Functions

Learning Goal: Students will be able to:
- Identify characteristics of quadratic functions
- Graph and use quadratic functions of the form $f(x) = ax^2$
- Graph quadratic functions of the form $f(x) = ax^2 + c$
- Solve real-life problems involving quadratic functions
- Graph quadratic functions of the form $f(x) = ax^2 + bx + c$
- Find maximum and minimum values of quadratic functions
- Graph quadratic functions of the form $f(x) = a(x - h)^2 + k$
- Graph quadratic functions of the form $f(x) = a(x - p)(x - q)$
- Compare different graphs of functions