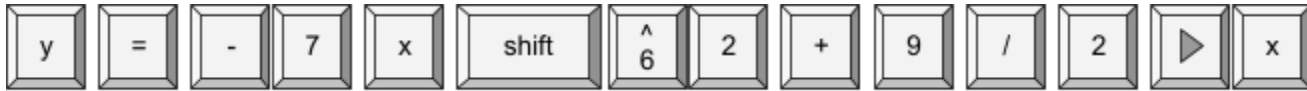


# Graphing Parabolas

1. Using the [Desmos® Graphing Calculator](#), type in the equation  $f(x) = -7x^2 + \frac{9}{2}x$ .



*Note: Hold the shift key down while you press 6, release the shift key, and then press 2 to create  $^2$ .*

- Zoom out. The graph should be narrower than the quadratic parent graph.
  - Zoom in.
    - Find the x-intercepts.
    - Find the vertex.
    - Check that the values are the same as the values in Lesson 26 Part B Example 1.
2. Using the [Desmos® Graphing Calculator](#), graph the quadratic equations from Lesson 26 Part B Practice 1 or Practice 2. Be sure to zoom in and out as needed.