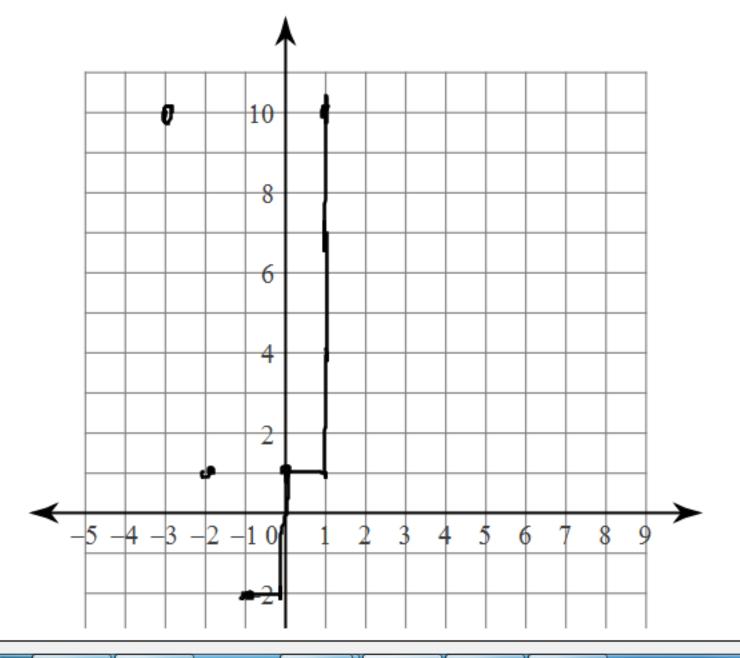
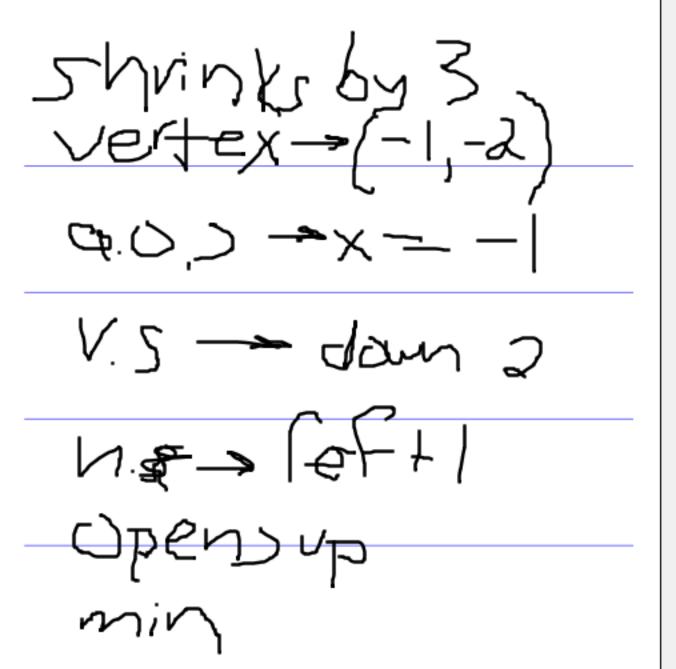


Sketch the graph of each function. State the horizontal and vertical shifts, max/min, stretch/shrink, axis of symmetery, direction of openning, and the vertex

12) 
$$y = 3(x+1)^2 - 2$$























Sketch the graph of each function. State the horizontal and vertical shifts, max/min, stretch/shrink, axis of symmetery, direction of openning, and the vertex

9) 
$$y = -\frac{1}{2}(x+2)^2 - 2$$

