General to Vertex Form Quiz /22

Convert each equation to vertex form. ***Use the method of completing the square on #1 and the formula method on #2***. Graph each function so that it fills the grid. Several points should be clearly marked. Determine the: vertex, equation of the axis of symmetry, y-intercept, x-intercept(s), domain, range, and max/min value.

1. $y=-\frac{1}{3}x^{2}-2x+1$

2. $y=x^{2}+x-3.75$