**Bell Work**

**Monday 11/7/22**

1. We will be studying quadratics in the next unit (Unit 12). Using what you learned in units 2 and 11, give an example of a function, $f\left(x\right)$, that is a quadratic trinomial.
2. $(3x-1)(4x+2)$

**Bell Work**

**Tuesday 11/8/22**

Label the parts of the parabola.



**Bell Work**

**Wednesday 11/9/22**

Graph the function $y=x^{2}+2x+5$

1. Identify a, b, & c.

2. Graph the axis of symmetry.

3. Find the vertex.

4. Plot the *y*-intercept and its reflection.

5. Draw the graph through the points. Label the points.

**Bell Work**

**Thursday 11/10/22**

1. Suppose a rocket is launched from ground level. The equation $h=128t-16t^{2}$, represents the height of the rocket at time *t*. How long does it remain in the air?