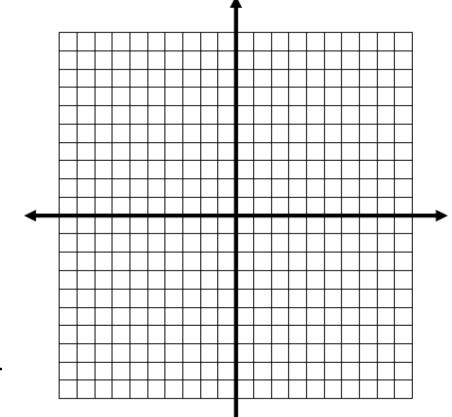
Find the following and graph the equation.

$$y = -\frac{1}{2}(x-2)(x+4)$$



x-intercepts \_\_\_\_\_

y-intercept\_\_\_\_\_

Vertex \_\_\_\_\_

Domain \_\_\_\_\_

Max or Min\_\_\_\_

Range \_\_\_\_\_

Interval of Increasing \_\_\_\_\_ Interval of Decreasing \_\_\_\_\_