

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 \_\_\_\_\_

