

Calculator OK!

Challenging Quadratic Graphs!

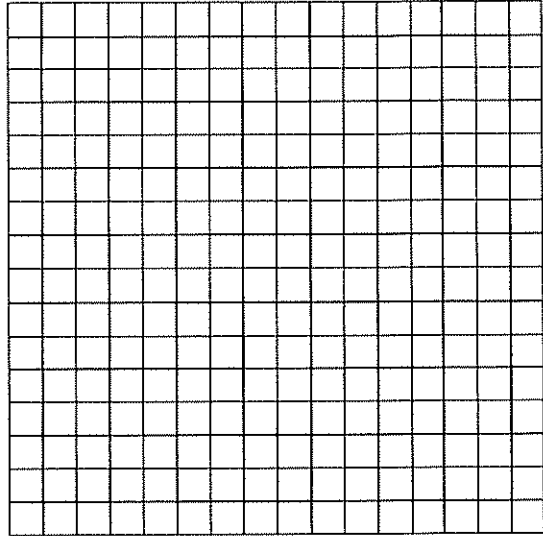
Show all of the below on a graph. You can't go by 1's on your axes!!

Graph $y = x^2 + 5x - 84$

Does it open up or down?

Find the equation of the axis of symmetry

Find the vertex



Find the zeros by using the quadratic formula

x	y

Find the zeros by factoring

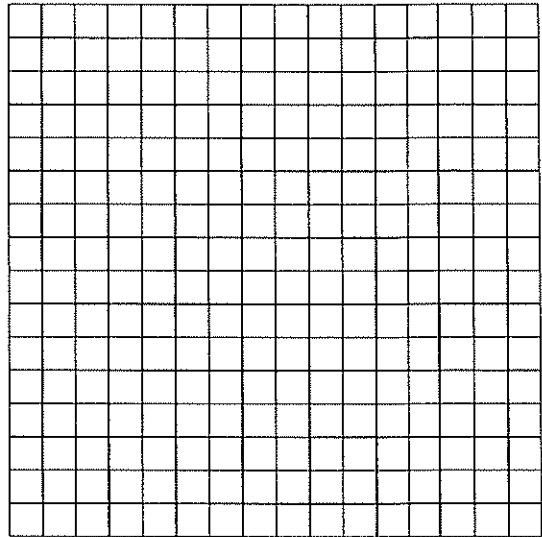
Find the y-intercept

Graph $y = -2x^2 + 18x - 40$

Does it open up or down?

Find the equation of the axis of symmetry

Find the vertex



Find the zeros by using the quadratic formula

x	y

Find the zeros by factoring

Find the y-intercept