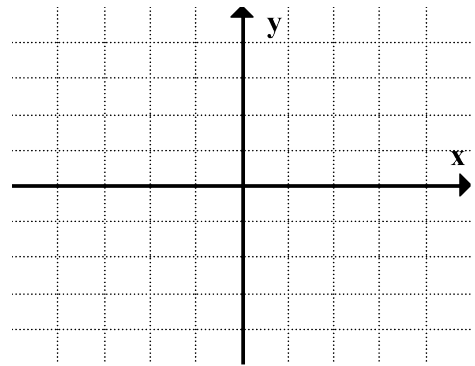


C11 - 3.1 - Graph Stand Form TOV WS ($x^2 + q$)

Graph the following equations using a table of values. State the Vertex.

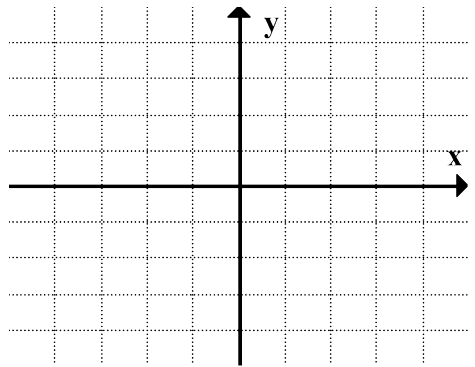
$$y = x^2$$

x	y



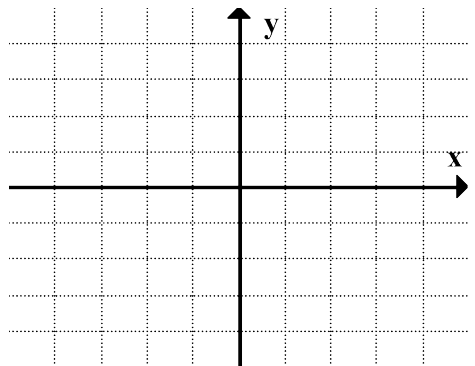
$$y = x^2 - 4$$

x	y



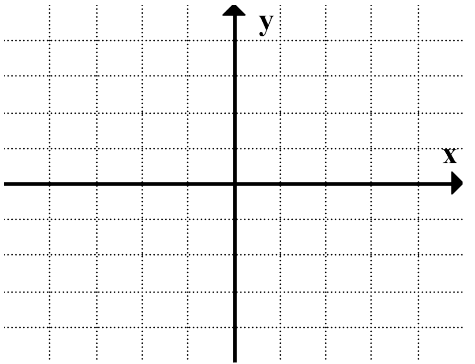
$$y = x^2 + 2$$

x	y



$$y = x^2 - 1$$

x	y

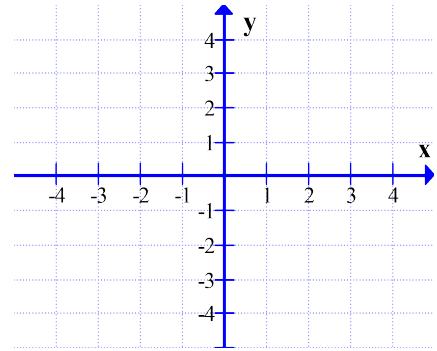


C11 - 3.1 - Graphing Vertex Form TOV WS (a=1)

Graph the following equations using a table of values, on graph paper. State the Vertex. Choose increments away from Vertex.

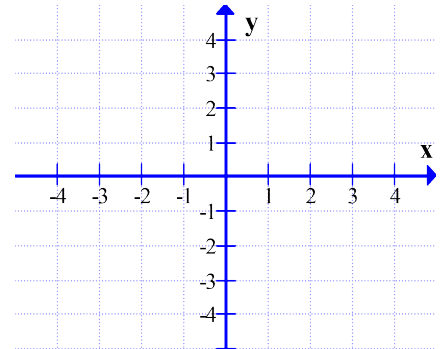
$$y = x^2 \longrightarrow y = 1(x - 0)^2 + 0$$

x	y



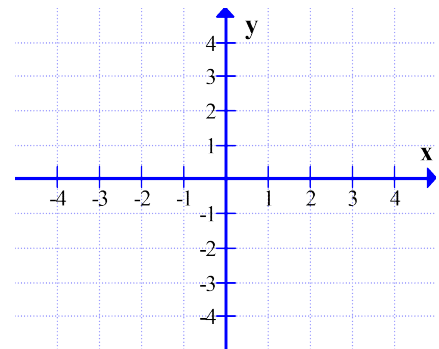
$$y = (x + 2)^2$$

x	y



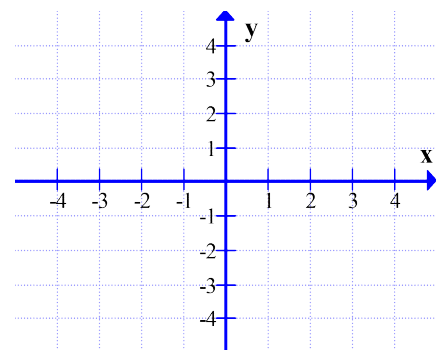
$$y = (x - 1)^2 \longrightarrow y = (x - 1)^2 - 0$$

x	y



$$y = (x - 3)^2$$

x	y

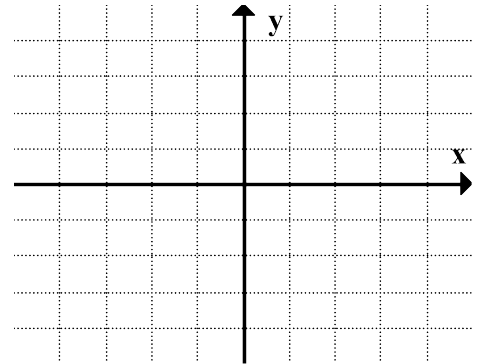


C11 - 3.1 - Graph Stand Form TOV WS ($-ax^2$)

Graph the following equations using a table of values, on graph paper. State the Vertex. Choose your own increments.

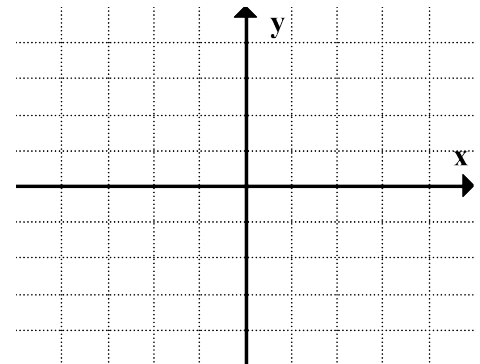
$$y = -x^2 + 4$$

x	y



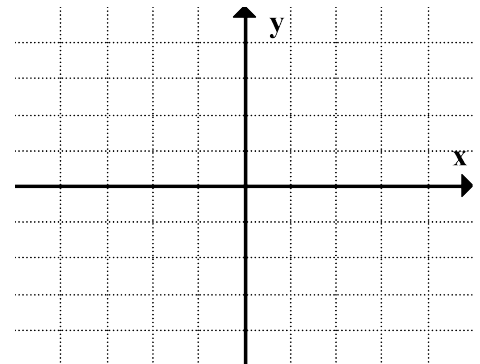
$$y = -x^2$$

x	y



$$y = -2x^2 + 2$$

x	y



$$y = -x^2 + 1$$

x	y

