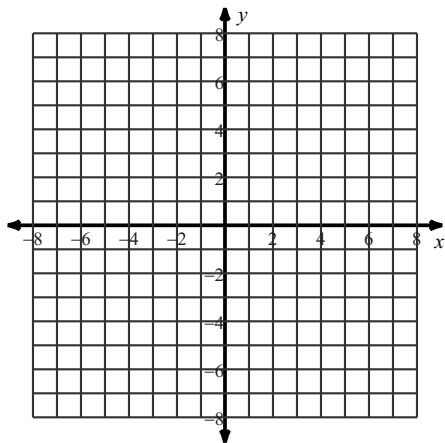


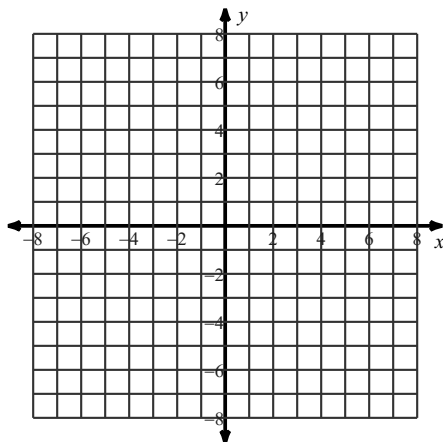
## Graphing Parabolas Standard Form X (GESFX)

Identify the vertex, focus, axis of symmetry, directrix, direction of opening, and min/max value of each. Then sketch the graph.

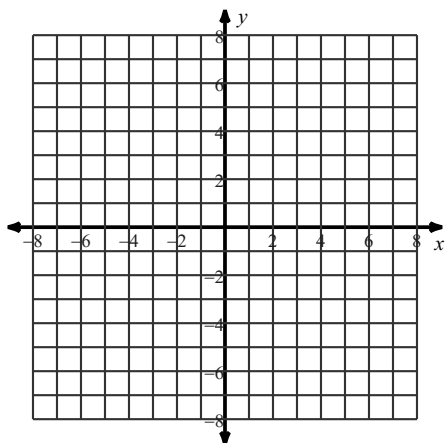
1)  $-\frac{1}{2}(y + 4) = (x - 6)^2$



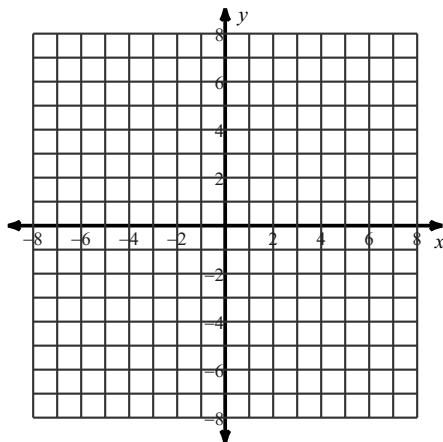
2)  $y + 4 = (x - 4)^2$



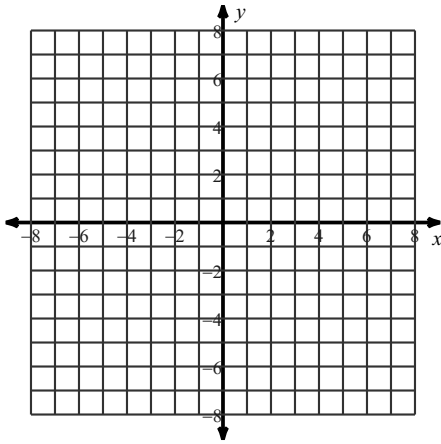
3)  $y + 1 = (x - 2)^2$



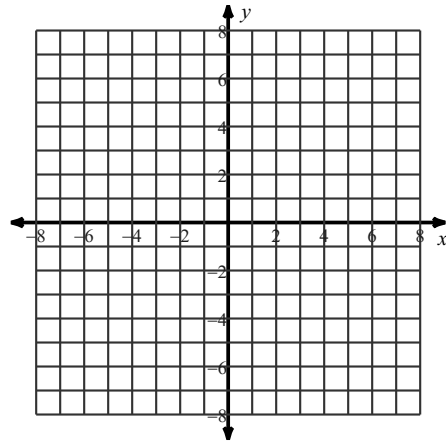
4)  $-\frac{1}{2}(y + 2) = x^2$



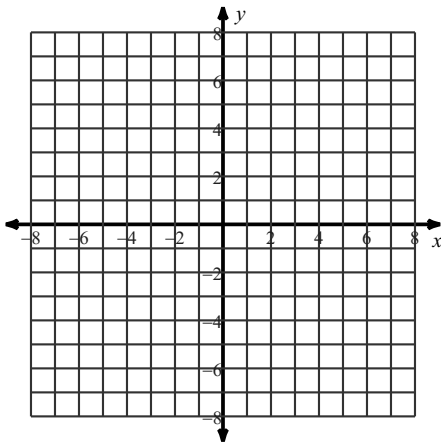
$$5) 4(y - 3) = (x - 4)^2$$



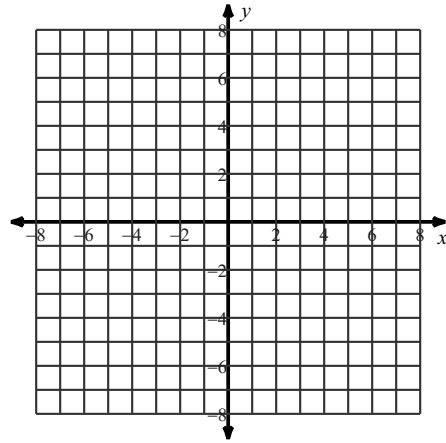
$$6) 2(y + 1) = x^2$$



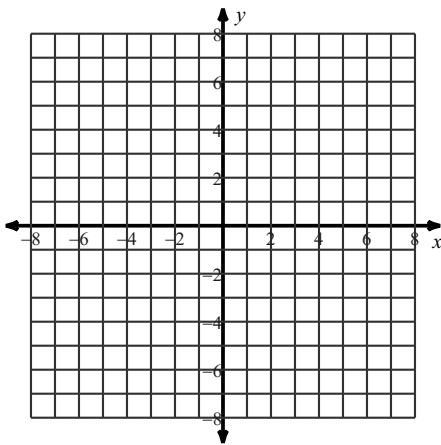
$$7) y - 2 = (x + 3)^2$$



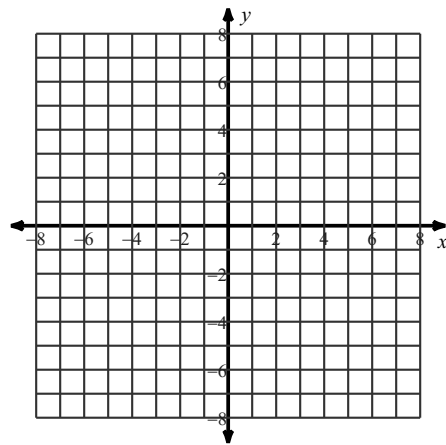
$$8) -\frac{1}{2}(y + 3) = (x - 5)^2$$



$$9) -y = (x - 6)^2$$

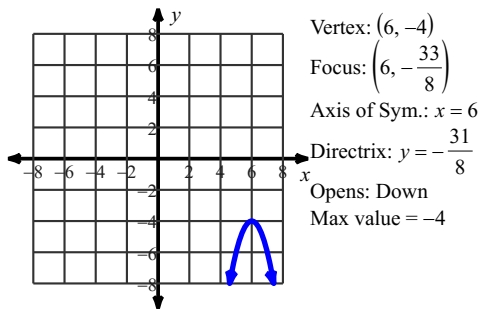


$$10) -(y + 3) = (x - 1)^2$$

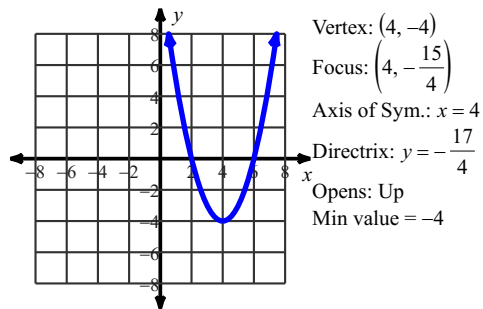


# Answers to Graphing Parabolas Standard Form X (GESFX)

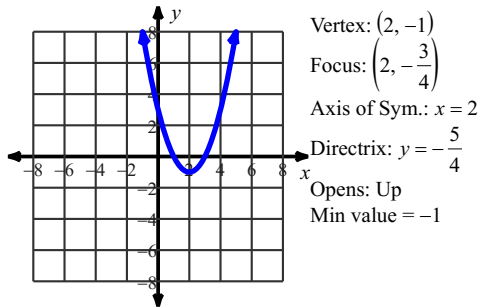
1)



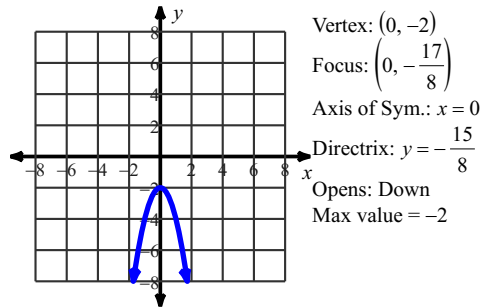
2)



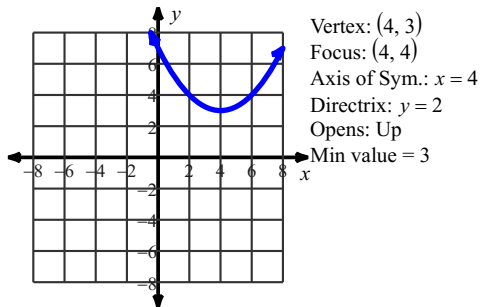
3)



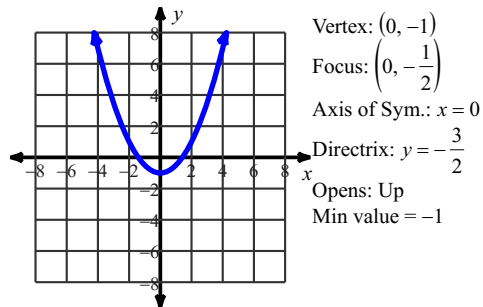
4)



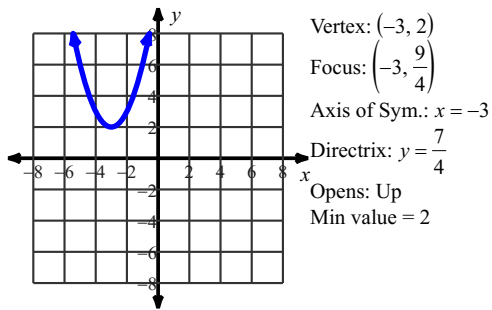
5)



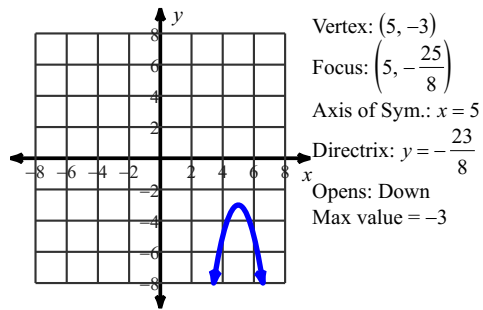
6)



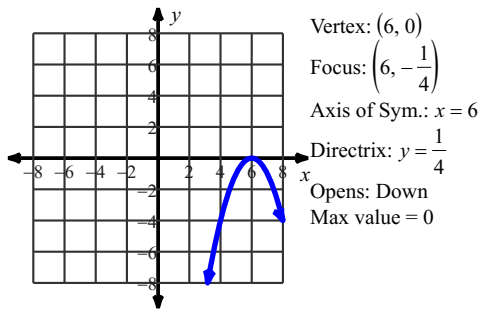
7)



8)



9)



10)

