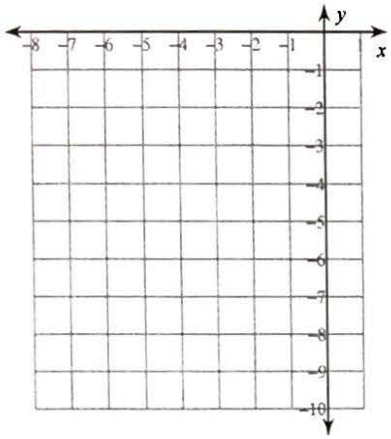
Graphing Quadratic Functions Practice

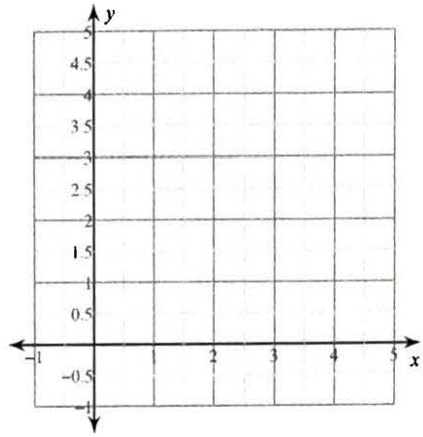
Name_____

For each function, find the vertex, any x-intercepts, and y-intercept. Use these results to sketch the graph of each function.

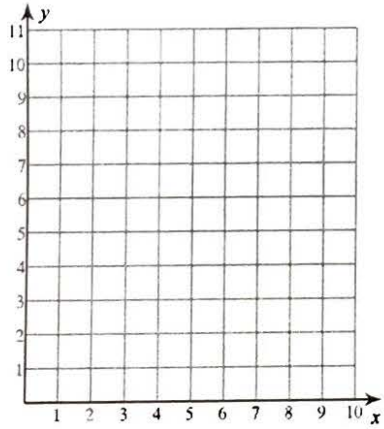
1) $f(x) = -2x^2 - 16x - 33$



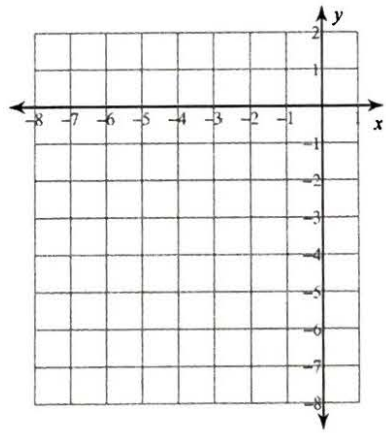
2) $f(x) = -x^2 + 4x$



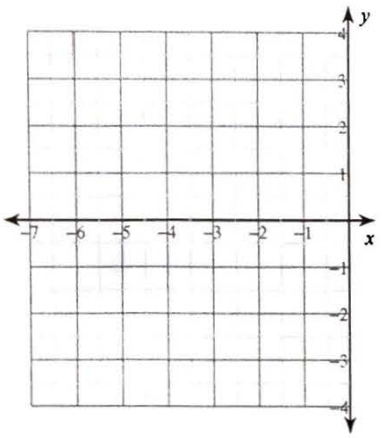
3) $f(x) = 2x^2 - 8x + 10$



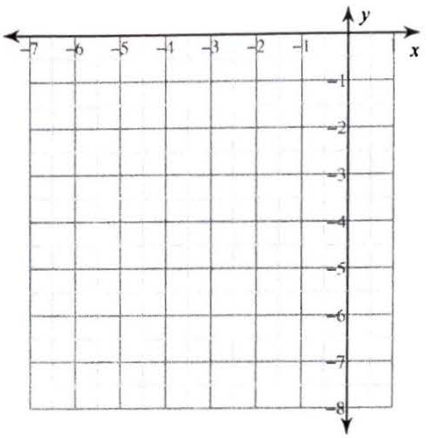
4) $f(x) = -2x^2 - 16x - 31$



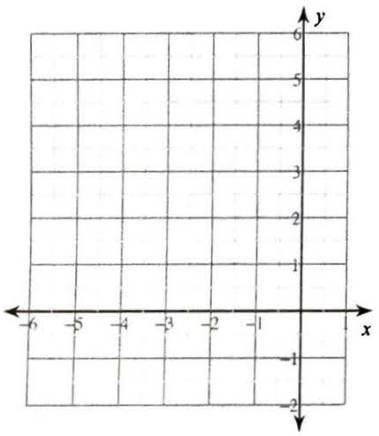
13) $f(x) = (x+4)^2 - 2$



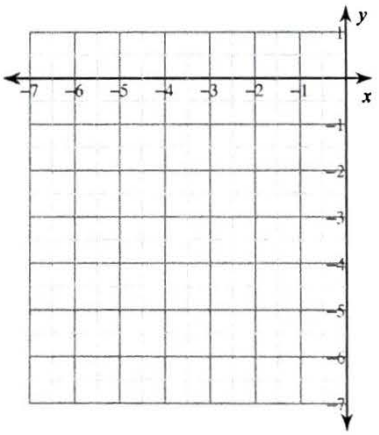
14) $f(x) = -(x+3)^2 - 3$



15) $f(x) = \frac{1}{2}(x+4)^2 + 1$

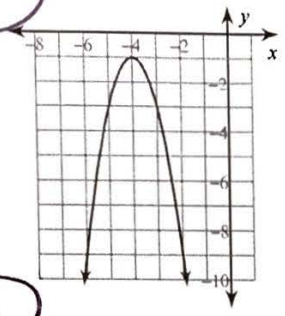


16) $f(x) = -\frac{1}{2}(x+4)^2 - 3$

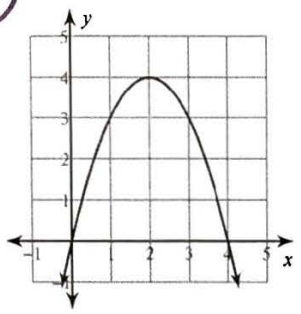


Answers to

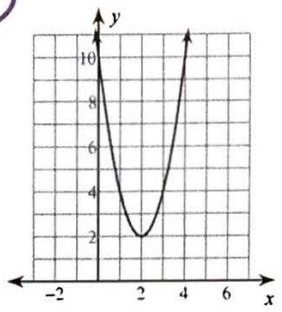
1)



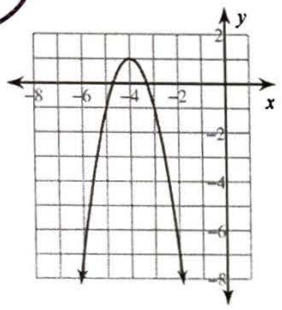
2)



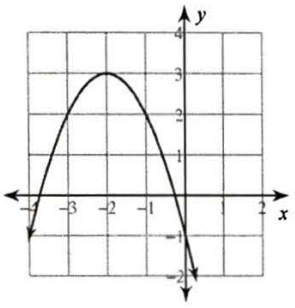
3)



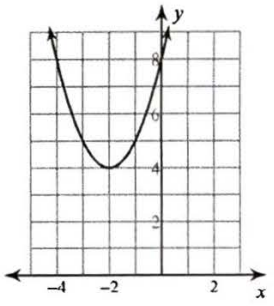
4)



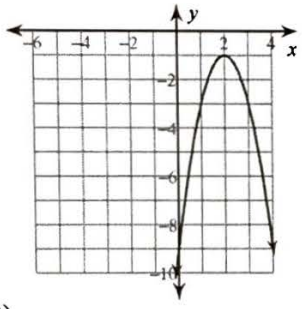
5)



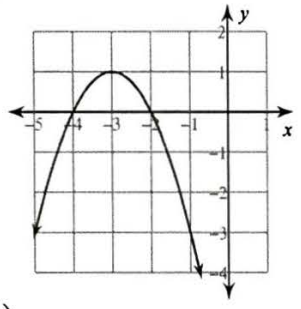
6)



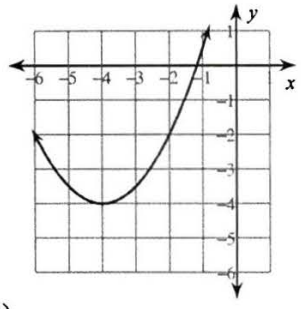
7)



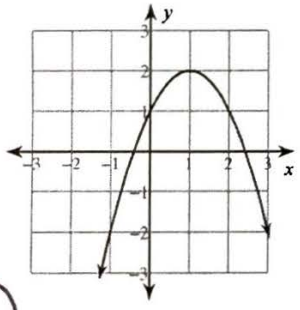
8)



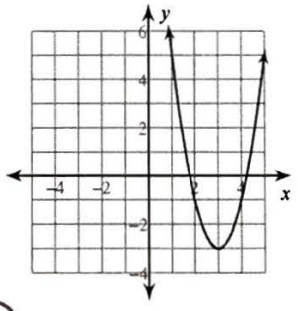
9)



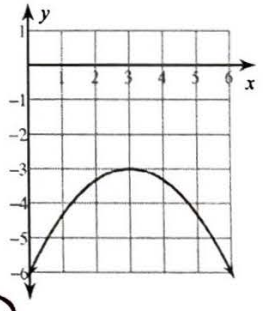
10)



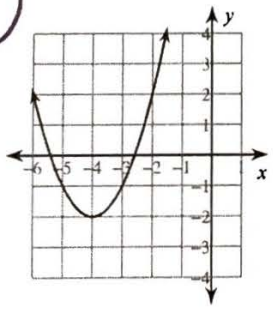
11)



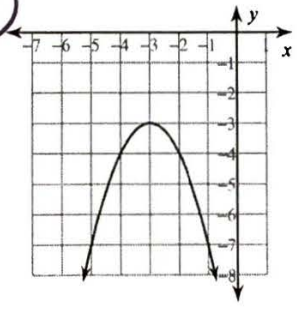
12)



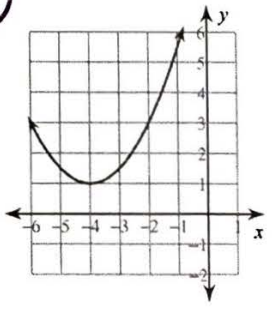
13)



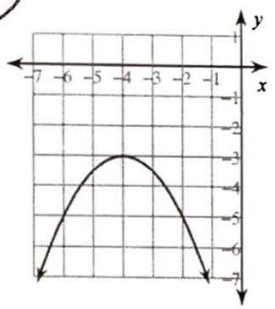
14)



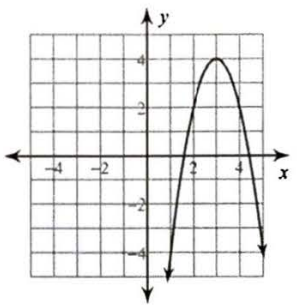
15)



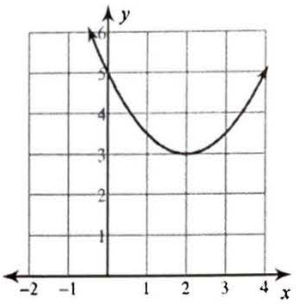
16)



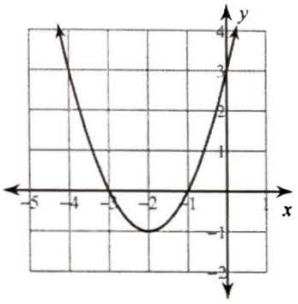
17)



18)



19)



20)