

Graph quadratic functions in vertex form

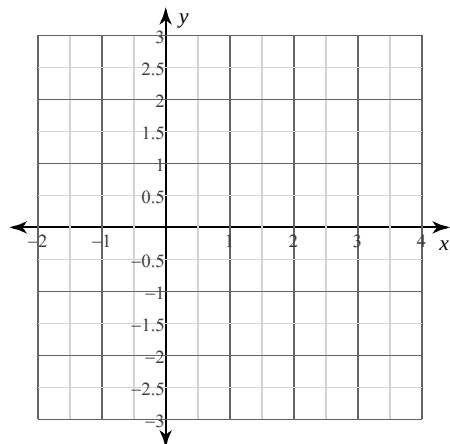
Name _____

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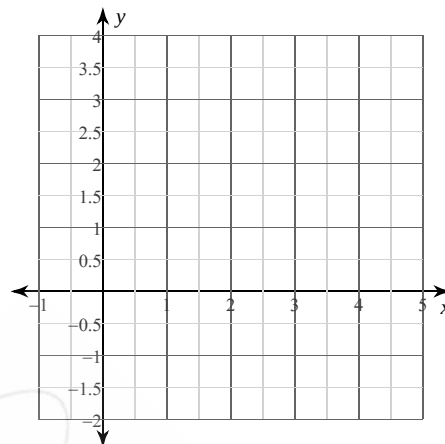
Date _____

Sketch the graph of each function.

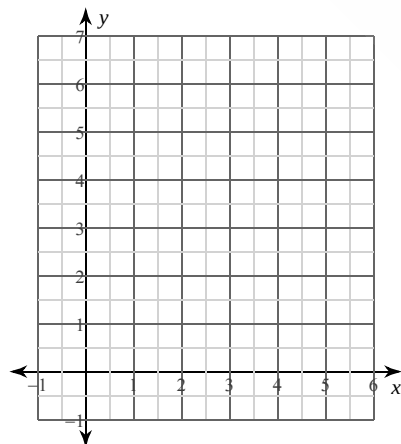
1) $y = -(x - 1)^2 + 2$



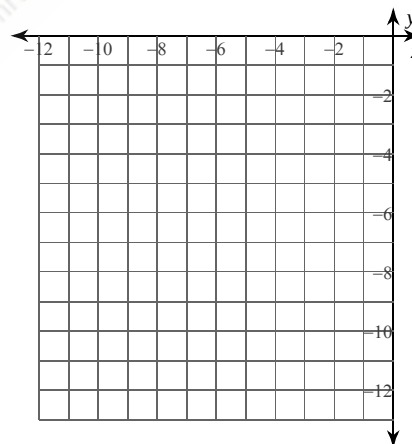
2) $y = -(x - 3)^2 + 3$



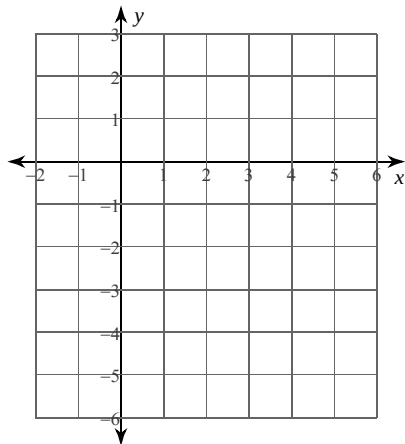
3) $y = (x - 4)^2 + 1$



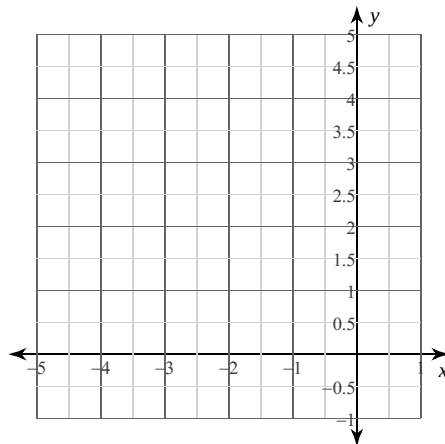
4) $y = -2(x + 2)^2 - 4$



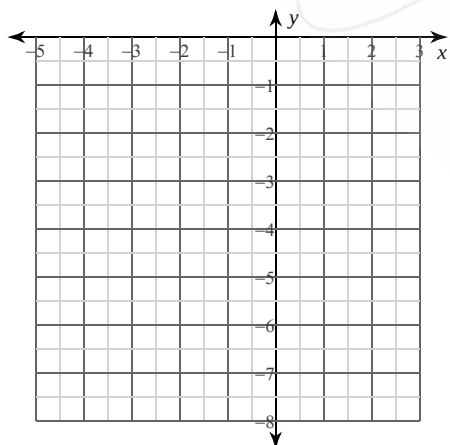
$$5) y = -2\left(x - \frac{7}{2}\right)^2 + \frac{5}{2}$$



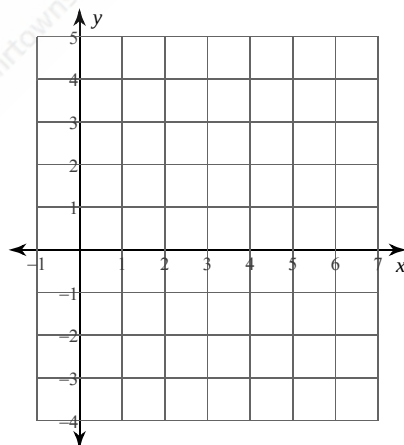
$$6) y = \frac{1}{2}\left(x + \frac{5}{2}\right)^2 + \frac{15}{8}$$



$$7) y = -\left(x + \frac{5}{2}\right)^2 - \frac{15}{4}$$



$$8) y = -2\left(x - \frac{7}{2}\right)^2 + \frac{9}{2}$$

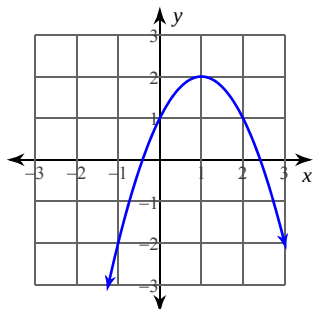


Learning is fun!

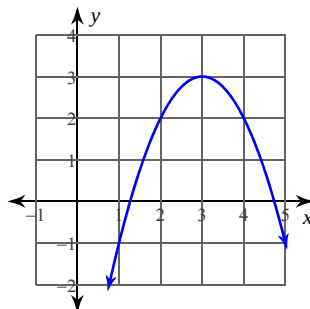


Answers to Graph quadratic functions in vertex form

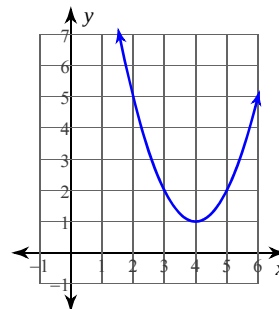
1)



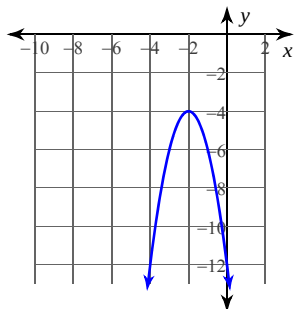
2)



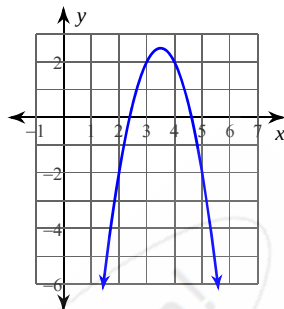
3)



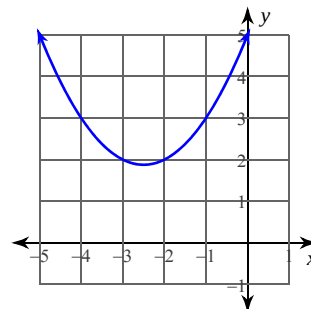
4)



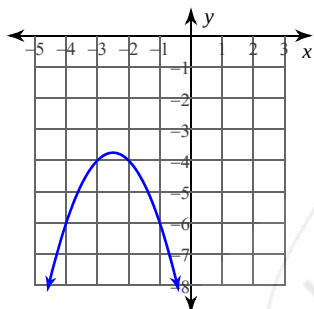
5)



6)



7)



8)

