

Target 4.1 Retest Packet

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Teacher_____ Period_____

State the form of the following quadratic functions.

1) $f(x) = (2x - 1)(3x + 6)$

2) $f(x) = x^2 - 9$

3) $f(x) = -3(3x + 5)(x - 9)$

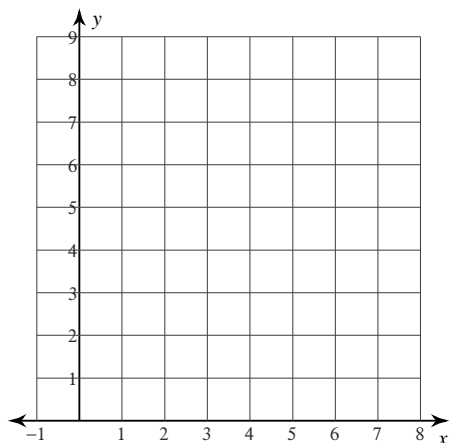
4) $f(x) = 2(x - 5)^2 - 6$

5) $f(x) = -3x^2 + 6x - 7$

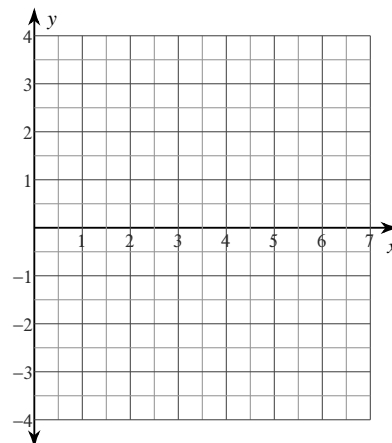
6) $f(x) = -(x + 4)^2$

Sketch the graph of each function.

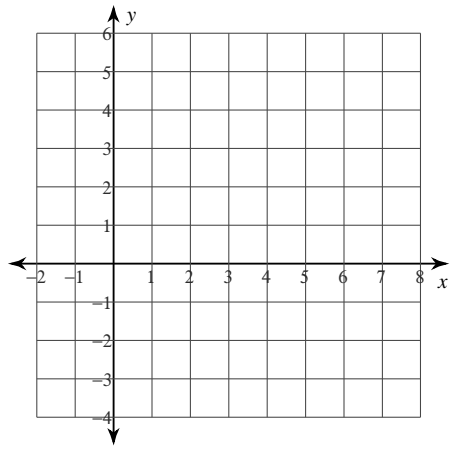
7) $f(x) = x^2 - 8x + 20$



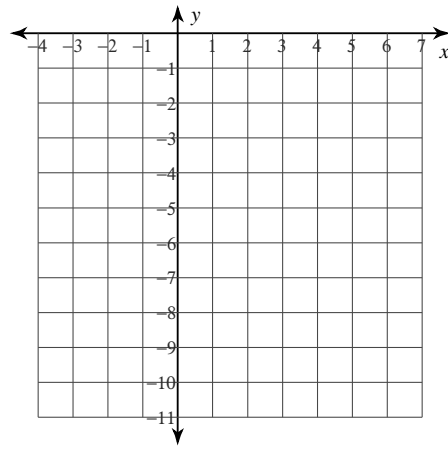
8) $f(x) = -x^2 + 8x - 14$



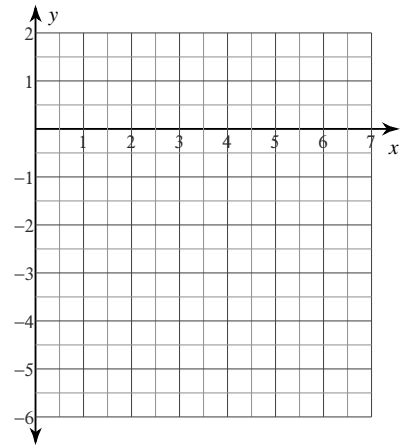
9) $f(x) = 2x^2 - 12x + 15$



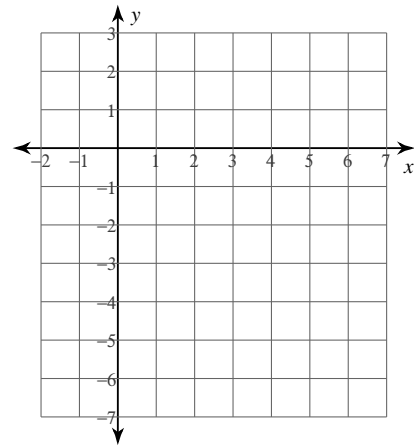
10) $f(x) = -2x^2 + 16x - 34$



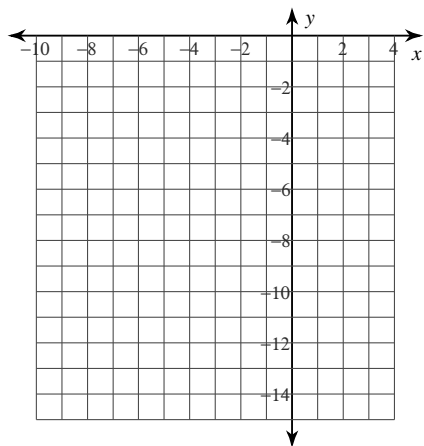
11) $f(x) = (x - 4)^2 - 4$



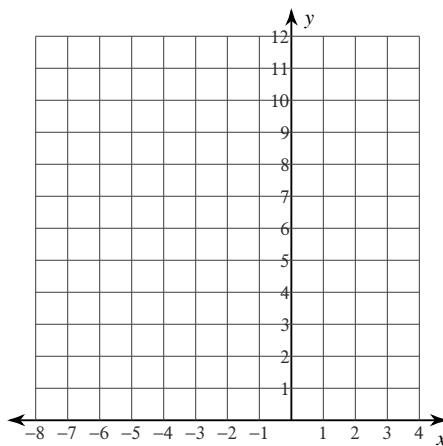
12) $f(x) = -2(x - 4)^2 + 2$



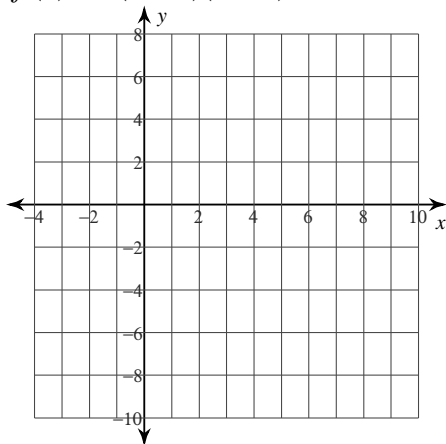
13) $f(x) = -3(x + 1)^2 - 2$



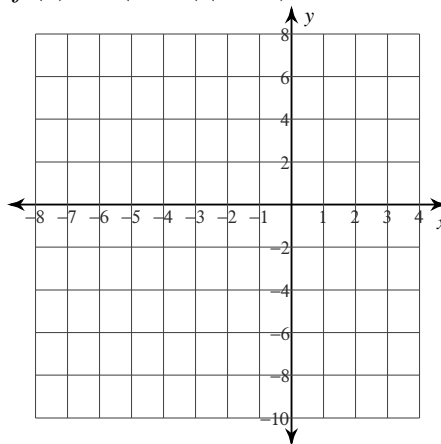
14) $f(x) = 2(x + 2)^2 + 3$



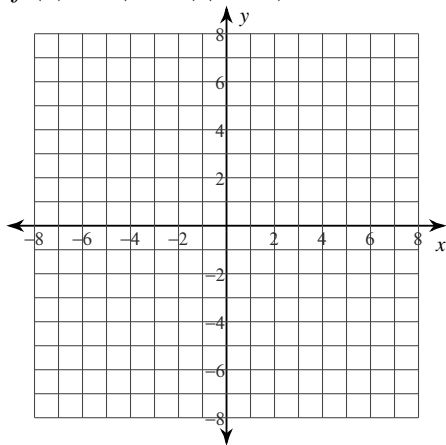
15) $f(x) = 2(x - 1)(x - 5)$



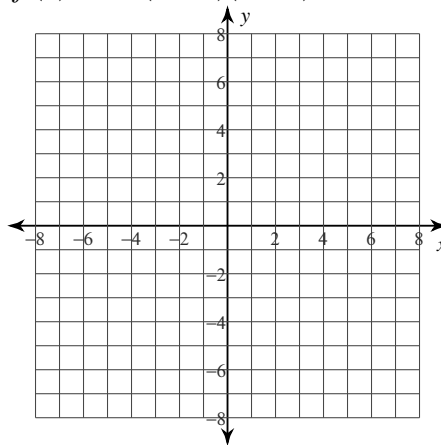
16) $f(x) = -(x + 2)(x + 4)$



17) $f(x) = 2(x + 2)(x - 2)$



18) $f(x) = 0.5(x + 3)(x - 5)$



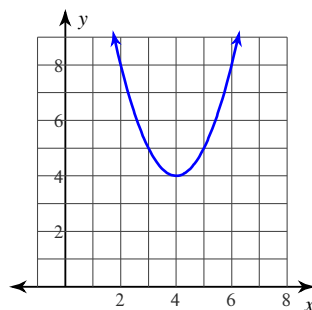
Answers to Target 4.1 Retest Packet

1) Factored
5) Standard

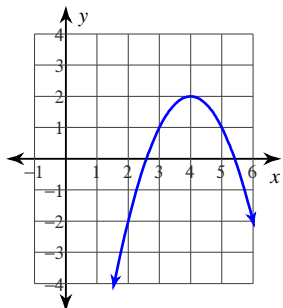
2) Standard
6) Vertex

3) Factored
7)

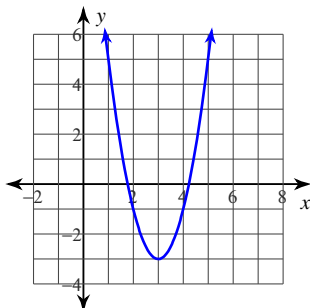
4) Vertex



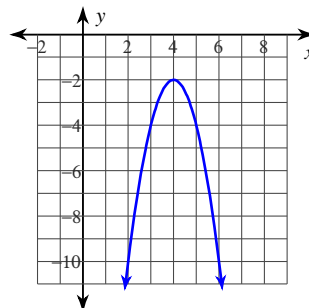
8)



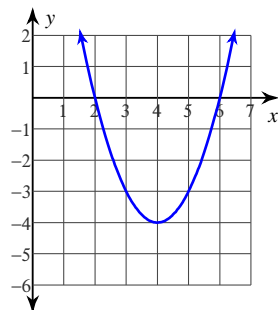
9)



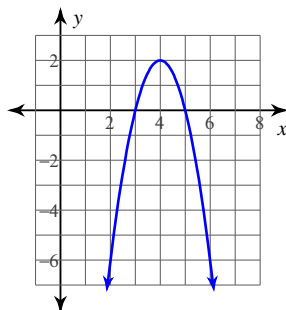
10)



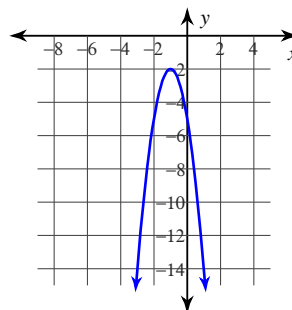
11)



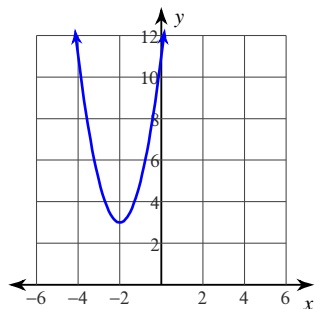
12)



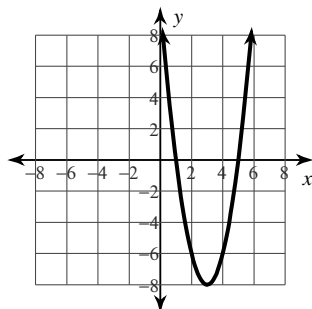
13)



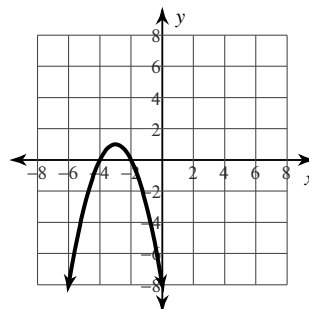
14)



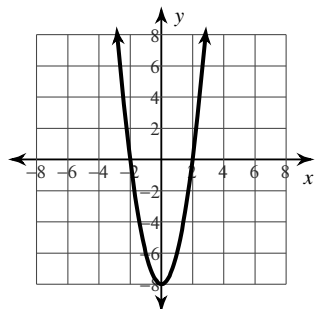
15)



16)



17)



18)

