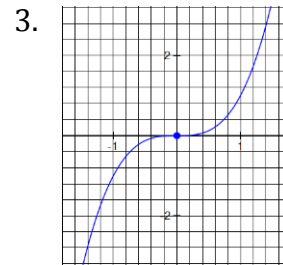
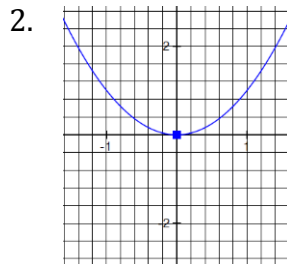
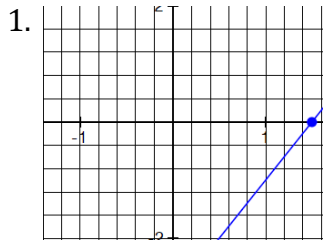
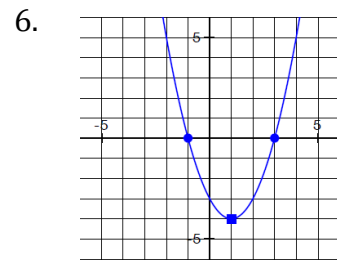
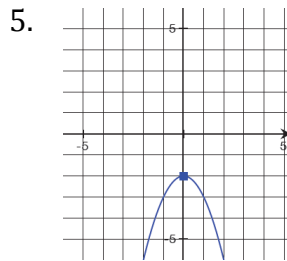
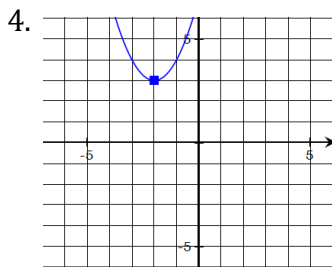


Label as Linear, Quadratic, or Neither



Identify the Vertex and write the function.



Vertex: _____

Vertex: _____

Vertex: _____

Function: _____

Function: _____

Function: _____

Identify the Vertex

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

8. $g(x) = x^2 + 2$

9. $h(x) = (x-6)^2$

Vertex: _____

Vertex: _____

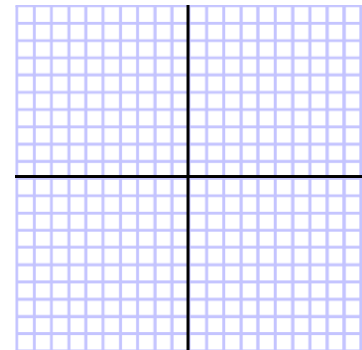
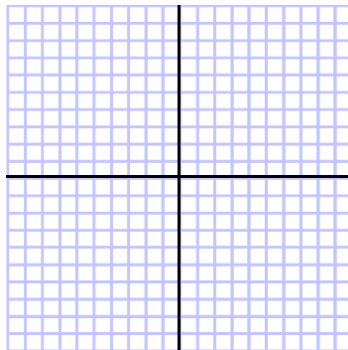
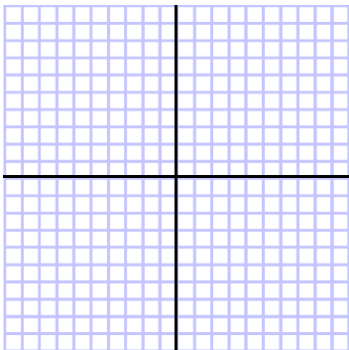
Vertex: _____

Graph the function

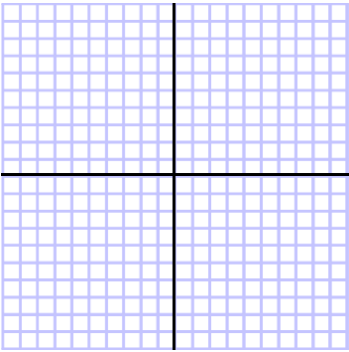
10. $f(x) = 2(x-1)^2 - 2$

11. $g(x) = -(x+4)^2$

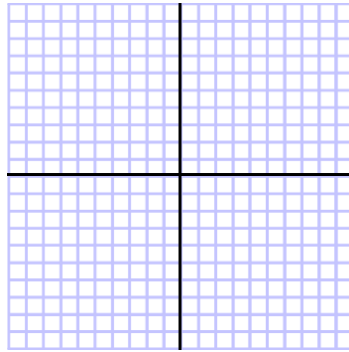
12. $h(x) = x^2 - 5$



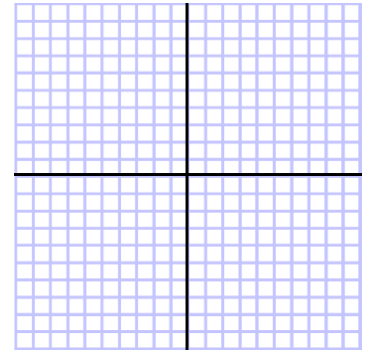
13. $f(x) = 2x - 2$



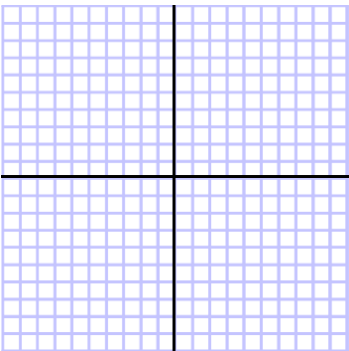
14. $g(x) = -(x)^2 + 2$



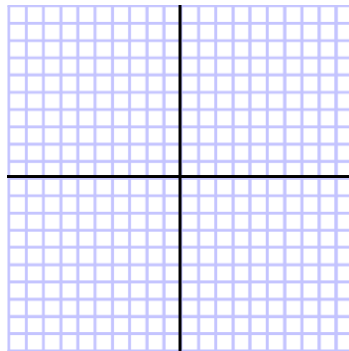
15. $h(x) = 2^x - 5$



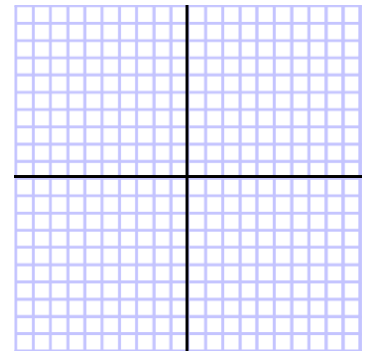
16. $f(x) = 2(x-2)^2 + 1$



17. $g(x) = (3x)^2 - 2$



18. $h(x) = 2^x + 2$



Simplify each polynomial expression.

19. $(2x+1)+(3x-4)$

20. $(x^2 - 2x - 1) - (3x^2 + 4x - 2)$

21. $(3x+1)(x-4)$

1. Neither
3. Cubic
5. (0,-2)
7. (-7,-3)
9. (6,0)
11. (2,2)
13. (-3,0)
15. (0,-3)
19. $5x-3$
21. $3x^2-11x-4$