What does changing the "k" variable do to the graph of a quadratic?

What conclusion can you make about the variables of h and k together?

If "k" is positive how does the parabola move? If negative?

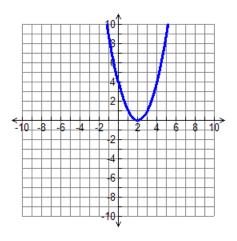
6.

7.

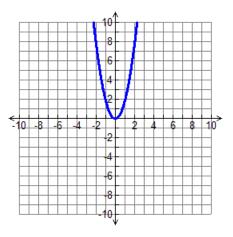
8.

Write the quadratic equation, in vertex form for each graph.

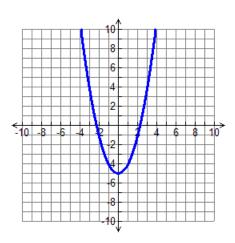
1.



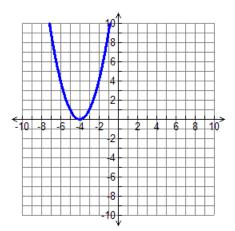
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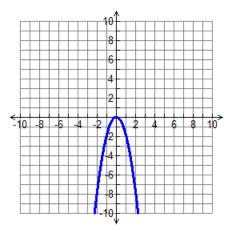
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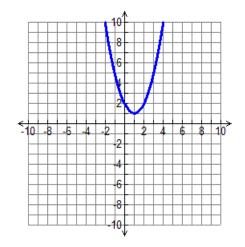
4.



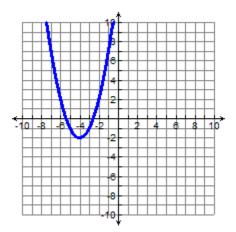
5.



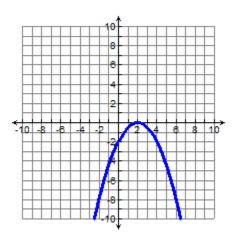
6.



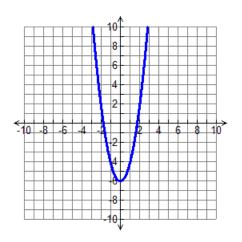
7.



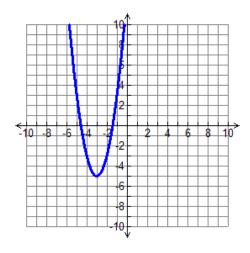
8.



9.

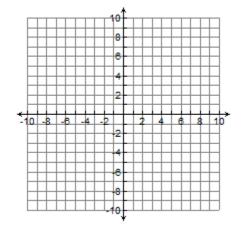


10.

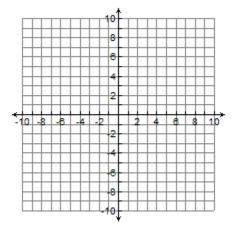


Graph the quadratic equation on the provided grid.

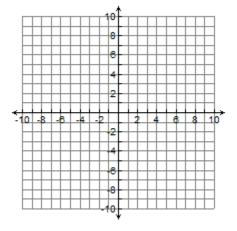
11.
$$f(x) = (x-0)^2 + 3$$



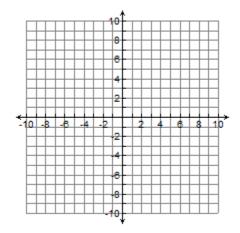
$$f(x) = -2(x-0)^2 + 0$$



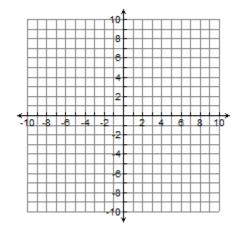
15.
$$f(x) = 3(x-4)^2 - 6$$



12.
$$f(x) = (x+4)^2 + 0$$



14.
$$f(x) = (x-3)^2 + 4$$



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

