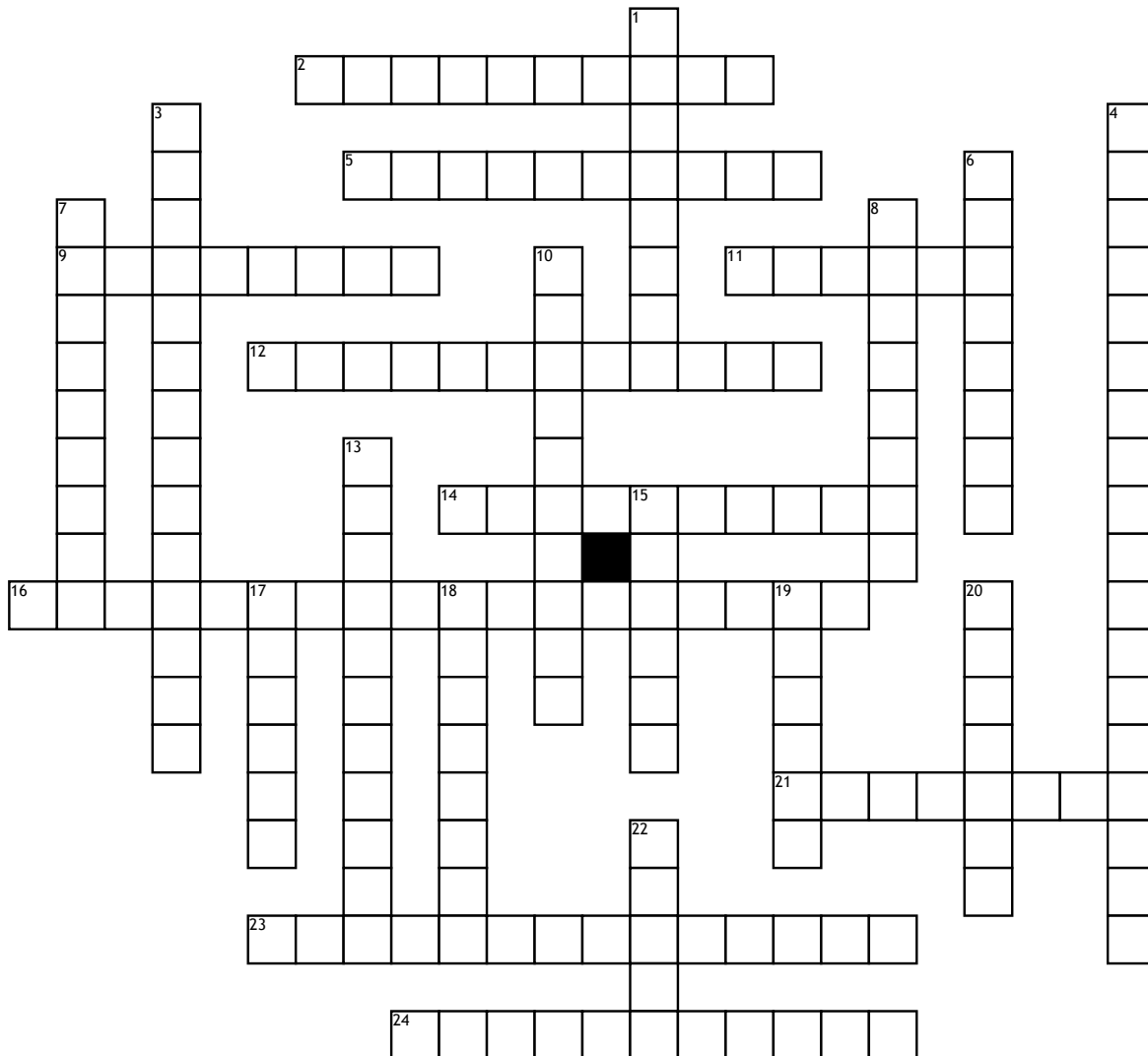


# Transformations



## Across

2. The point where the graph crosses the y-axis is called the what?  
 5. If  $a$  is negative what type of transformation is it?  
 9. The part of the function that is above the x-axis is?  
 11. The x value in an ordered pair is called the what?  
 12. The  $h$  value tells you to go in what direction?  
 14. What type of shift does  $h$  give you?  
 16. The part of the graph that is falling as you read from left to right.  
 21. If the parabola opens down, then  $a$  is.

23. What is the original function called?

24. If the parent function gets fat what type of transformation is it?

## Down

1. What type of shift does  $k$  give you?  
 3. The line that a graph approaches but never touches is?  
 4. The part of the graph that is rising as you read left to right.  
 6. The part of the graph that has the same value.  
 7. The  $k$  value tells you to go in what direction?  
 8. The graph of a second degree equation is called?

10. The point where the graph crosses the x-axis is what?

13. If the graph got skinny the a value was a?

15. Another name for solutions is?

17.  $(h, k)$  represents what?

18. If the graph got fat the a value was a?

19. What is the degree of a quadratic function?

20. If the parents function gets skinny, what type of transformation is it?

22. The  $y$  value in an ordered pair is called the what?