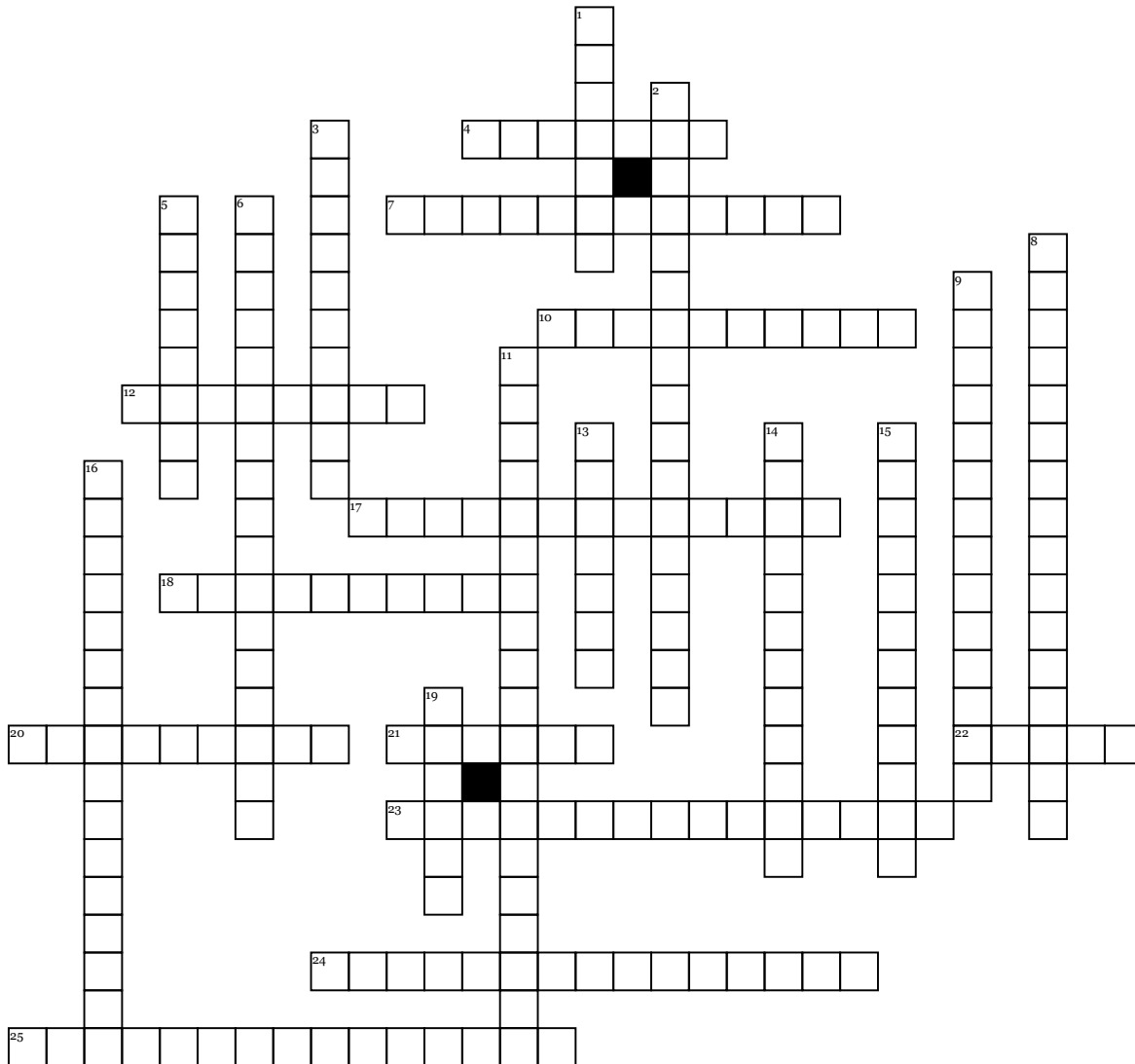


# Quadratics Crossword Puzzle Project



## Across

- 4.** lowest value reached on a graph  
**7.**  $y$  equals  $ax^2 + bx + c$   
**10.** line that crosses the  $x$ -axis  
**12.** "U" shaped curve that can be upward or downward  
**17.**  $a + bi$   
**18.** a number times itself  
**20.** consists of 3 terms  
**21.** highest or lowest point on a graph  
**22.** "factors"

**23.** when discriminant is less than zero

**24.** when discriminant is zero

**25.** complex numbers equal to square root of  $-1$

## Down

- 1.** symbol used to determine the square root of a number  
**2.** relationship between 2 variables usually between  $X$  and  $Y$   
**3.**  $y$  equals  $a(x-h)^2 + k$   
**5.** first number in the equation  
**6.** polynomial function in one or more variables

**8.** when discriminant is greater than zero

**9.** line that splits the parabola causing it to fold

**11.** helps find the vertex on a graph

**13.** highest value reached on a graph

**14.** letter in an equation

**15.** square root of  $b^2 - 4ac$

**16.**  $-b$  plus or minus the square root of  $b^2 - 4ac$  all over  $2a$

**19.** "solutions"