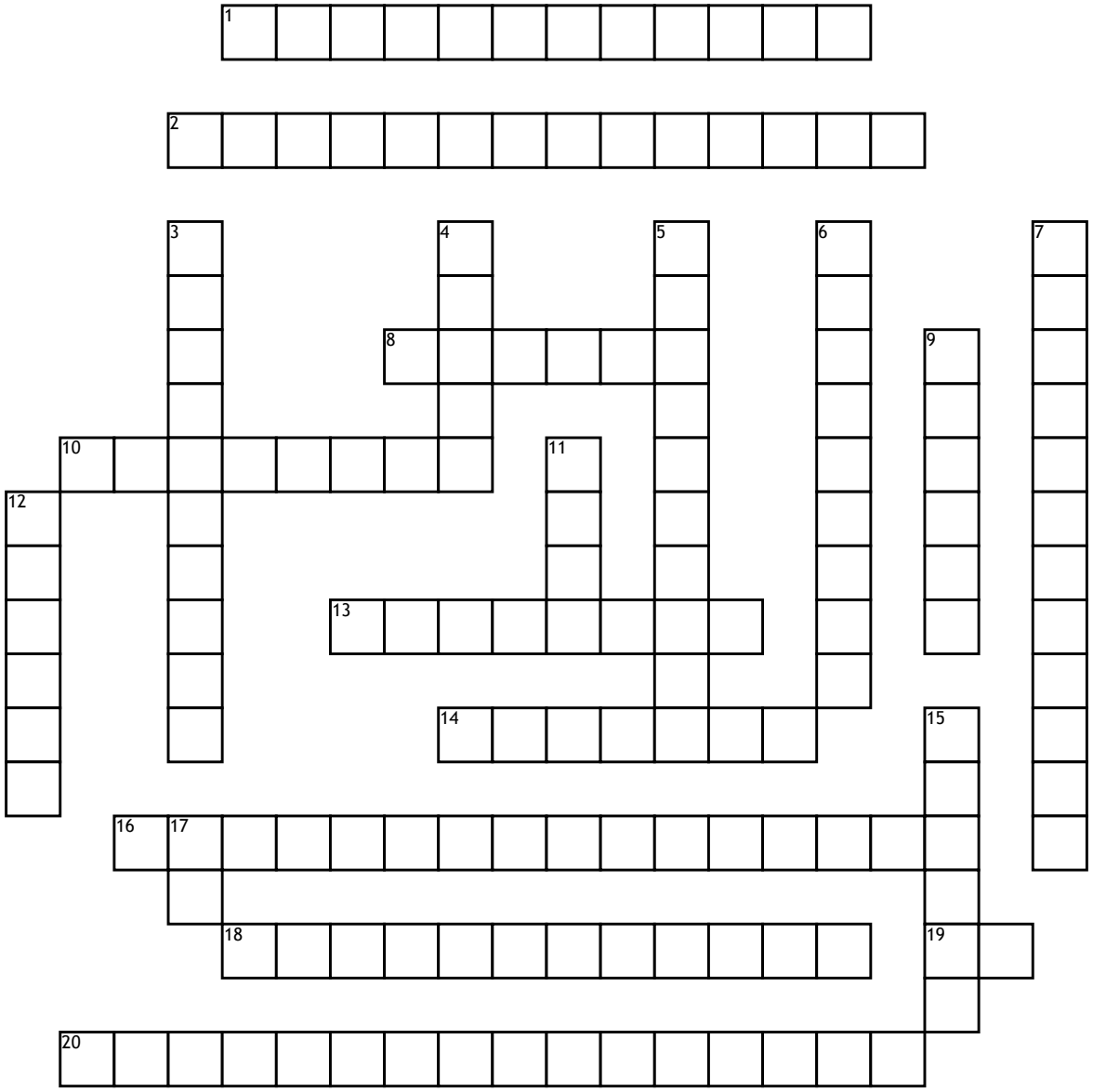
Name: _____ Date: _____

Quadratics



Across

1. Y=ax2+bx+c
2. Line that divides the parabola in two perfect halves
8. What does {x e r} represent?
10. A ball was thrown and its height in meters is modelled by h= -(t-2) 2+6 where t is the time in number of seconds the ball was in the air. When was the ball 6meters above the ground?
13. if a is a whole number the parabola is..
14. If a is a fraction the parabola is..
16. The formula x= -b/b2-4ac divided by 2(a) represents?
18. y=a(x-r)(x-s)
19. a is positive, the opening is...
20. Y=x2

Down

3. y= a(x-h)2 +k
4. Another name for x-intercepts
5. The point where the parabola crosses the x-axis
6. Is the equation y=x2+4 linear or quadratic?
7. To find the x-intercepts use..
9. Is the equation xy=8 linear or quadratic?
11. a is negative the opening is..
12. minimum or maximum value
15. The formula x= r+s divided by 2 gives you the?
17. a is positive, the opening is..