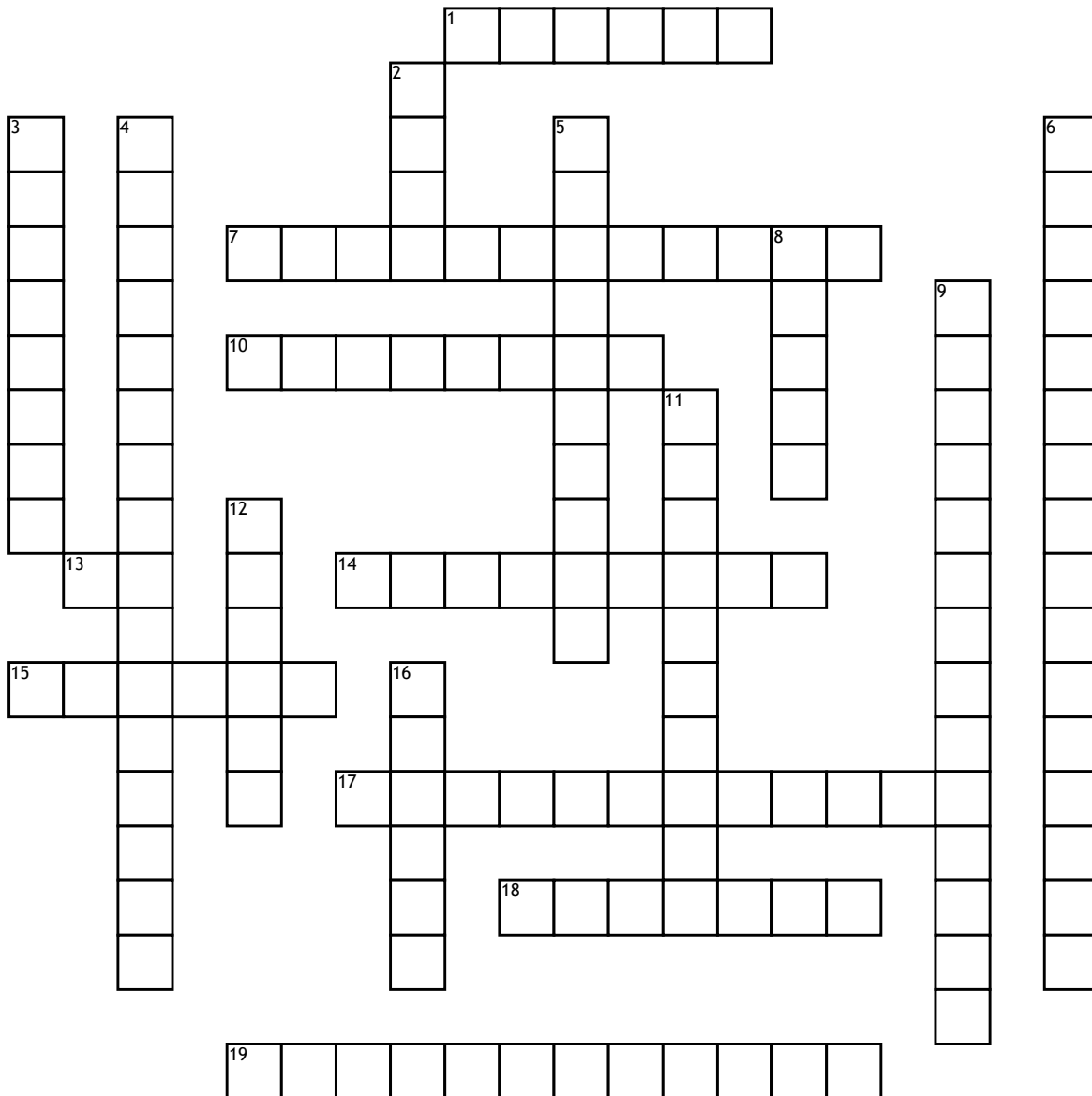


Name: _____

Date: _____

Quadratics



Across

1. What does $\{x \in \mathbb{R}\}$ represent?
7. $y = ax^2 + bx + c$
10. If a is a whole number the parabola is?
13. a is positive the direction of opening is...
14. Is the equation $y = x^2 + 4$ quadratic or linear?
15. maximum or minimum value
17. $y = a(x-r)(x-s)$
18. if a is a fraction the parabola is..

19. To find the x-intercepts use...

Down

2. A is negative, opening is..
3. 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 6 meters above the ground?
4. $y = x^2$
5. $y = a(x-h)^2 + k$

6. The formula $x = \frac{-b \pm \sqrt{b^2 - 4ac}}{2a}$ represents...
8. Another name for x-intercepts
9. Line that divides the parabola in two perfect halves.
11. The point where the parabola crosses the y-axis
12. is the equation $xy = 8$ linear or quadratic?
16. The formula $x = \frac{r+s}{2}$ gives you the?