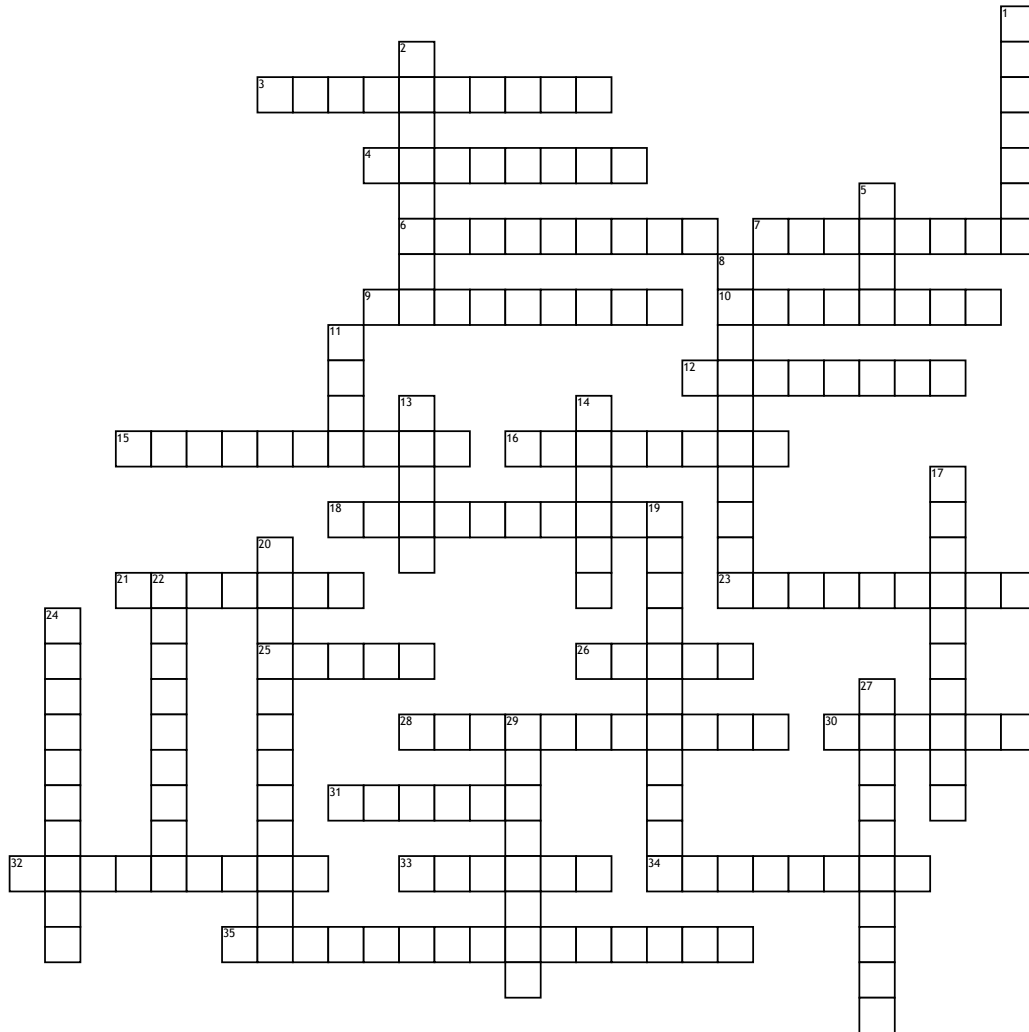


IM3 Vocabulary



Across

3. common ____ (in an arithmetic sequence)
 4. when a substance decays at a rate of 50% per time unit
 6. where a graph crosses the x or y-axis
 7. ____ value (always positive)
 9. sequence defined by its previous term(s)
 10. mathematical sentence of 2 expressions separated by an equal sign
 12. polynomial with 2 terms
 15. a solution that does not check
 16. $ax + by = c$ is in ____ form
 18. type of sequence generated by adding the same number
 21. opposite over adjacent
 23. not exponent form, but ____ form

25. common ____ (in a geometric sequence)

26. in $y = mx + b$, its the m
 28. number that is multiplied by a variable
 30. adjacent over hypotenuse
 31. all inputs of a function
 32. sequence generated by multiplying the same number
 33. the minimum of an upward facing parabola
 34. $f(x)$ is function ____
 35. where a cubic changes concavity

Down

1. undo a function
 2. flips the base, ____ exponent
 5. aka x-intercept

8. flip

11. opposite over hypotenuse
 13. third degree polynomial
 14. part of a product
 17. the base in an exponential function
 19. $f(g(x))$
 20. decrease in value over time
 22. line that a curve approaches
 24. have the same algebraic meaning
 27. has degree, orientation, leading coefficient
 29. passes the vertical line test

Word Bank

polynomial	inverse	inflectionpoint	slope	geometric	standard	intercept
sine	negative	domain	arithmetic	depreciation	tangent	composition
notation	factor	logarithm	difference	equation	extraneous	asymptote
binomial	reciprocal	cosine	recursive	halflife	function	absolute
ratio	vertex	root	multiplier	equivalent	coefficient	cubic