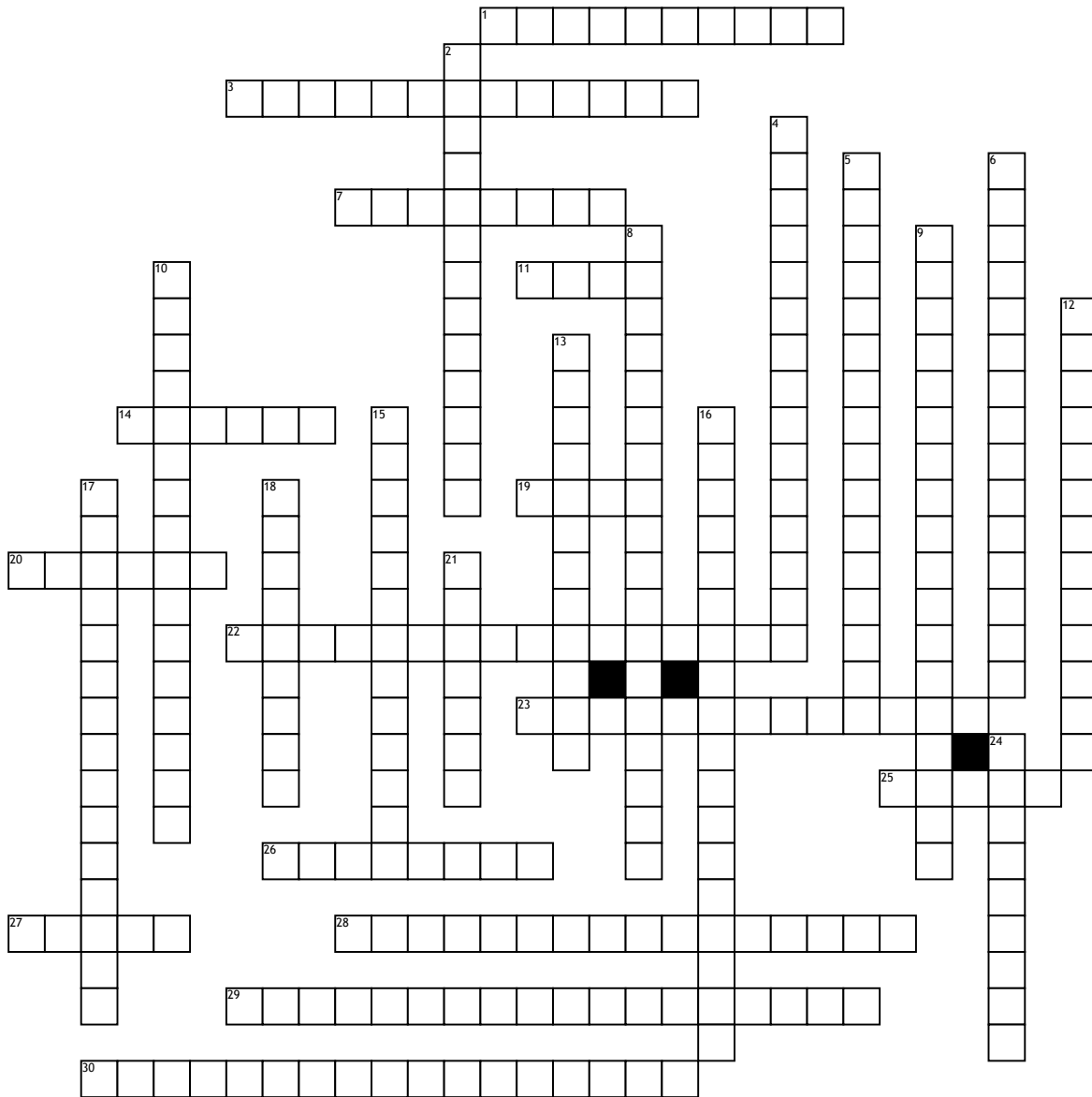


Answer key



Across

1. A trapezoid has two pairs of -----
3. The ----- of a vector combines the horizontal and the vertical components
7. Another name for the original figure is the -----
11. The nonparallel sides are the ----- of a trapezoid
14. A ----- is a quantity that has both direction and magnitude, or size,
19. A ---- is a quadrilateral that has two [airs of consecutive congruent sides, but opposite sides are not congruent
20. A ----- is a parallelogram with four congruent side sand four right angles
22. Rays drawn from the center of rotation to a point and its image form the -----
23. The sum of the measures of the ----- of a convex N-gon is $(n-2) \times 180$
25. The parallel sides of a trapezoid is called the -----

26. An ----- is a transformation that preserves length and angle measure.
 27. A transformation moves or changes a figure in some way to produce a new figure called an -----
 28. A quadrilateral is a rhombus if and only if it has four congruent sides
 29. A translation is an isometry
 30. A reflection is an isometry
- Down**
2. The -----, or ending point, of a vector
 4. A ----- is a transformation in which every point is mapped to a point
 5. A Reflection is a transformation that uses a line like a mirror to reflect an image, The mirror line is called the -----
 6. A Rotation is an Isometry
 8. If the legs of a trapezoid are congruent, then the trapezoid is called an -----
 9. A Quadrilateral is a rectangle if and only if it has four right angles

10. A rotation is a transformation in which a figure is turned about a fixed point called the -----
12. The sum of the measures of the ----- of a convex polygon, one angle at each vertex, is 360
13. The ----- or the starting point, of the vector
15. A ----- is a Quadrilateral with both pairs of opposite sides parallel.
16. The composition of two (or More) isometries is an isometry
17. A Quadrilateral is a square if and only if it is a rhombus and a rectangle.
18. A ----- is a quadrilateral with exactly one pair of parallel sides
21. A ----- is a parallelogram with four congruent sides
24. A ----- is a parallelogram with four right angles