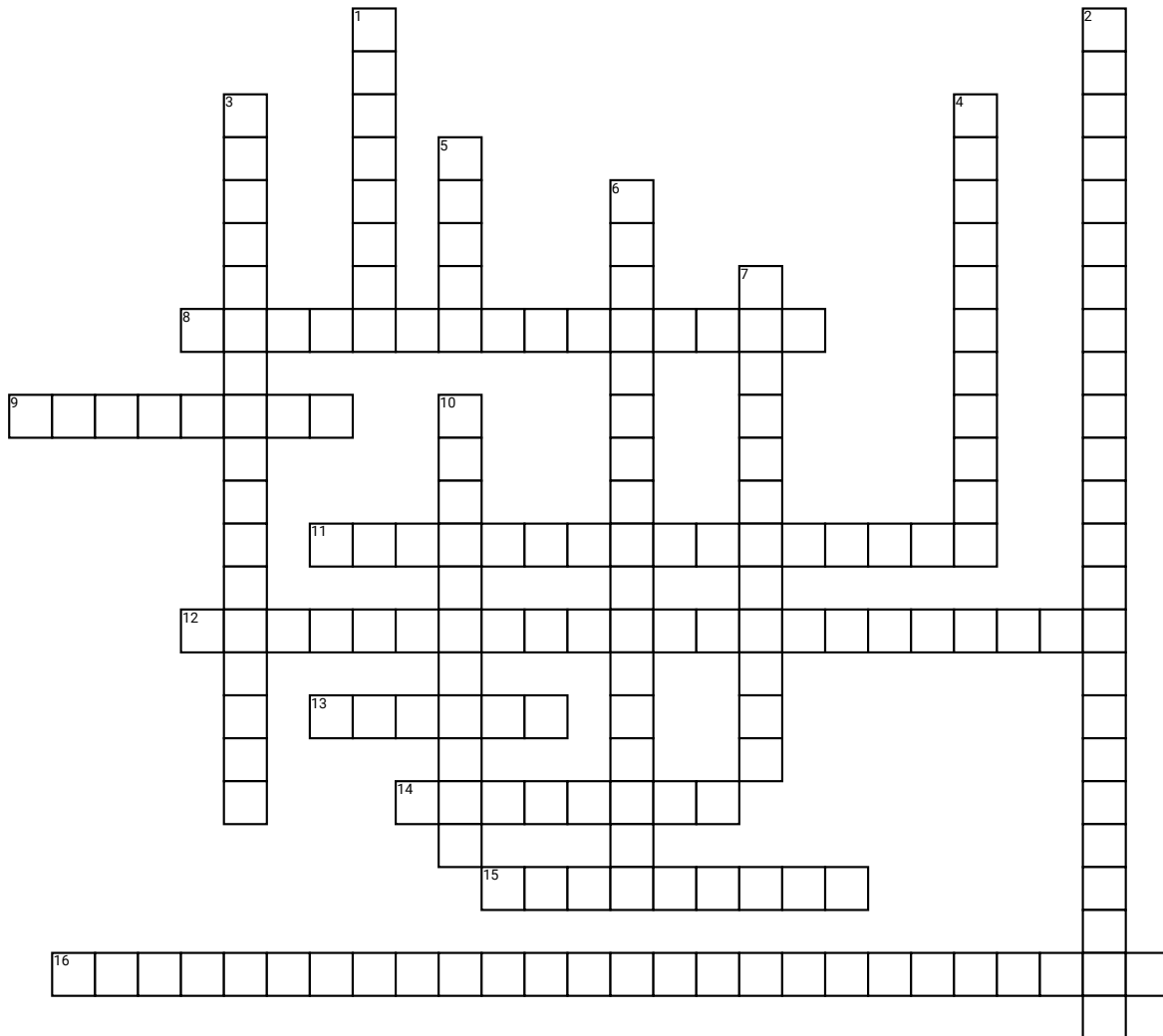


Chapter 4 - Congruence Transformations



Across

- 8. A reflection followed by a translation in a direction parallel to the reflection line.
- 9. Congruence transformation, distance-preserving transformation.
- 11. Preimages are reflected over this.
- 12. When an image is flipped over the horizontal axis on the coordinate plane.
- 13. A quantity that has both magnitude and direction.
- 14. This transformation “turns” the preimage.

- 15. ____ of a size transformation, of a translation, or of rotation; preimages/figures are changed, turned or translated.
- 16. The second component in the ordered-pair description of a vector whose magnitude is along the y-axis.

Down

- 1. The original figure in a transformation.
- 2. A rotation opposite of the direction in which the hands of an analog clock move.

- 3. A vector that gives the length and direction of a particular translation.
- 4. The composite of two reflections over parallel lines (also called a slide).
- 5. Applying a transformation to an original figure results in a/an ____.
- 6. A rotation in the direction in which the hands of an analog clock moves.
- 7. 3 or more points on the same line.
- 10. The order that the vertices of a polygon are considered (clockwise or counterclockwise).