8th Grade CCSS Math Vocabulary Quiz 1

1. **B**   The side opposite the right angle. It is the longest side of a right triangle.
   A.image   B.hypotenuse   C.transversal   D.exterior angles

2. **C**   A line that intersects two or more lines in a given plane.
   A.sphere volume   B.rotation   C.transversal   D.radical symbol

3. **B**   A transformation created by sliding an object.
   A.transversal   B.translation   C.plane   D.radical symbol

4. **C**   A measure of the steepness of a line on a graph.
   A.dilation   B.image   C.slope   D.proof

5. **A**   A transformation made by turning or spinning a figure around a given point.
   A.rotation   B.sphere volume   C.slope   D.reflection

6. **A**   A flat two-dimensional surface that goes in all directions forever
   A.plane   B.cone volume   C.transformation   D.Pythagorean Theorem

7. **A**   Moving a shape so that it is in a different position, but still has the same size, area angles, and line lengths.
   A.transformation   B.pre-image   C.hypotenuse   D.rotation

8. **C**   A convincing demonstration that a mathematical statement is true.
   A.transformation   B.plane   C.proof   D.reflection

9. **D**   Having the same size and shape.
   A.sphere volume   B.cone volume   C.reflection   D.congruent

10. **B**   A figure resulting from a transformation.
    A.dilation   B.image   C.pre-image   D.reflection

11. **B**   The number of cubic units needed to fill a cone.
    A.slope   B.cone volume   C.translation   D.rotation

12. **C**   In a right triangle, the square of the length of the hypotenuse is equal to the sum of the squares of the lengths of the legs ($A^2+B^2=C^2$).
    A.rotation   B.cone volume   C.Pythagorean Theorem   D.exterior angles

13. **A**   A transformation created by reflecting (flipping) an image over a line.
    A.reflection   B.exterior angles   C.slope   D.dilation

14. **C**   The original image before transformation.
    A.exterior angles   B.sphere volume   C.pre-image   D.Pythagorean Theorem

15. **D**   An angle formed outside a polygon by extending one of its sides.
    A.image   B.translation   C.Pythagorean Theorem   D.exterior angles

16. **C**   A transformation created proportionally by enlarging or reducing a figure.
    A.reflection   B.Pythagorean Theorem   C.dilation   D.transformation

17. **C**   The symbol used to represent the non negative square root of a number.
    A.transformation   B.Pythagorean Theorem   C.radical symbol   D.plane

18. **D**   The number of cubic units needed to fill a sphere.
    A.transversal   B.transformation   C.rotation   D.sphere volume