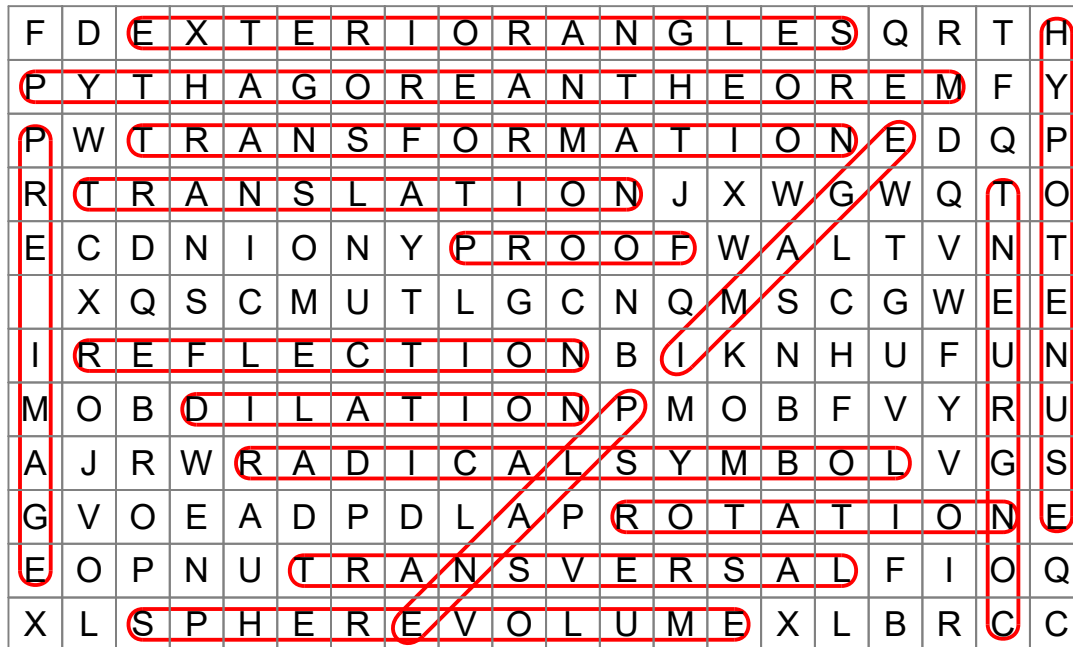# 8th Grade CCSS Math Vocabluary Word Search 10

1. *First, write the correct clue number to the left of each word in the Word Bank. Then, circle the words that have been hidden vertically, horizontally, and diagonally.*

F	D	E	X	T	E	R	I	O	R	A	N	G	L	E	S	Q	R	T	H
P	Y	T	H	A	G	O	R	E	A	N	T	H	E	O	R	E	M	F	Y
P	W	T	R	A	N	S	F	O	R	M	A	T	I	O	N	E	D	Q	P
R	T	R	A	N	S	L	A	T	I	O	N	J	X	W	G	W	Q	T	O
E	C	D	N	I	O	N	Y	P	R	O	O	F	W	A	L	T	V	N	T
	X	Q	S	C	M	U	T	L	G	C	N	Q	M	S	C	G	W	E	E
I	R	E	F	L	E	C	T	I	O	N	B	I	K	N	H	U	F	U	N
M	O	B	D	I	L	A	T	I	O	N	P	M	O	B	F	V	Y	R	U
A	J	R	W	R	A	D	I	C	A	L	S	Y	M	B	O	L	V	G	S
G	V	O	E	A	D	P	D	L	A	P	R	O	T	A	T	I	O	N	E
E	O	P	N	U	T	R	A	N	S	V	E	R	S	A	L	F	I	O	Q
X	L	S	P	H	E	R	E	V	O	L	U	M	E	X	L	B	R	C	C

1. A figure resulting from a transformation.
2. 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 ($A^2+B^2=C^2$).
3. A flat two-dimensional surface that goes in all directions forever
4. The original image before transformation.
5. A convincing demonstration that a mathematical statement is true.
6. The symbol used to represent the non negative square root of a number.
7. Having the same size and shape.
8. A transformation created by reflecting (flipping) an image over a line.
9. A transformation created by sliding an object.
10. A transformation made by turning or spinning a figure around a given point.
11. The side opposite the right angle. It is the longest side of a right triangle.
12. A transformation created proportionally by enlarging or reducing a figure.
13. An angle formed outside a polygon by extending one of its sides.
14. Moving a shape so that it is in a different position, but still has the same size, area angles, and line lengths.
15. A line that intersects two or more lines in a given plane.
16. The number of cubic units needed to fill a sphere.

Pythagorean Theorem
plane
reflection
pre-image
transversal
exterior angles

dilation
proof
translation
image
congruent

rotation
hypotenuse
radical symbol
transformation
sphere volume