

# Word Wall Example

## Geometry Vocabulary

# GEOMETRY

### Angles

acute  $< 90^\circ$   
 right  $= 90^\circ$   
 obtuse  $> 90^\circ$   
 vertex  $= 90^\circ$   
 straight  $= 180^\circ$

Angle Addition  
 $\angle ADB + \angle BDC = \angle ADC$

Angle Bisector  
 $\angle ADB = \angle CDB$

### Circles

radius, diameter  
 segment, chord  
 secant, tangent  
 arc, sector

### Congruencies

SAS, ASA, AAS, HL  
 congruent, similar

### Polygons

# of Sides	Name
3	triangle
4	quadrilateral
5	pentagon
6	hexagon
7	heptagon
8	octagon
9	nonagon
10	decagon
11	hendecagon
12	dodecagon

### Triangles

scalene, isosceles, equilateral, right  
 obtuse, acute  
 ONE Angle  $= 90^\circ$   
 ONE Angle  $> 90^\circ$   
 All angles  $< 90^\circ$

### Special Right Triangles

$30^\circ-60^\circ-90^\circ$  (x, x $\sqrt{3}$ , x2)  
 $45^\circ-45^\circ-90^\circ$  (x, x, x $\sqrt{2}$ )

### Transformations

reflection, dilation, rotation, translation

### Quadrilaterals

parallelogram, trapezoid, kite, rectangle, rhombus, square  
 Midpoint Formula  
 $(\frac{x_1 + x_2}{2}, \frac{y_1 + y_2}{2})$   
 Distance Formula  
 $\sqrt{(x_2 - x_1)^2 + (y_2 - y_1)^2}$

### Trigonometry

$\sin \theta = \frac{o}{h}$   
 $\cos \theta = \frac{a}{h}$   
 $\tan \theta = \frac{o}{a}$

### Other Concepts

point, line, segment, ray, plane  
 perpendicular, parallel  
 Segment Addition:  $AB + BC = AC$   
 Segment Bisector:  $AB = BC$   
 Pythagorean Theorem:  $a^2 + b^2 = c^2$