

Assessment Name: MorganHill_Geometry_B1_1112
Subject Name: Mathematics
Grade(s)/Course(s): Geometry
Total Number of Items 40

STANDARDS	
10.0 - Geometry	4
12.0 - Geometry	4
16.0 - Geometry	4
17.0 - Geometry	4
18.0 - Geometry	4
21.0 - Geometry	4
3.0 - Geometry	4
4.0 - Geometry	4
7.0 - Geometry	4
8.0 - Geometry	4
BLOOM'S TAXONOMY	
Evaluation	0
Synthesis	2
Analysis	7
Application	12
Comprehension	10
Knowledge	9
Conceptual Understanding	0
N/A	0
DIFFICULTY LEVEL	
Low	12
Medium	21
High	7
N/A	0

#	Standard	Difficulty Level				Bloom's Taxonomy							
		Low	Medium	High	N/A	Evaluation	Synthesis	Analysis	Application	Comprehension	Knowledge	Conceptual Understanding	N/A
1	3.0 - Geometry		Medium							Comprehension			
2	3.0 - Geometry	Low						Analysis					
3	3.0 - Geometry		Medium							Comprehension			
4	4.0 - Geometry		Medium							Comprehension			
5	4.0 - Geometry	Low								Comprehension			
6	4.0 - Geometry	Low						Analysis					
7	7.0 - Geometry		Medium					Analysis					
8	7.0 - Geometry		Medium						Application				
9	7.0 - Geometry	Low								Comprehension			
10	7.0 - Geometry			High			Synthesis						
11	8.0 - Geometry		Medium						Application				
12	8.0 - Geometry		Medium						Application				
13	8.0 - Geometry	Low						Analysis					
14	10.0 - Geometry			High							Knowledge		
15	10.0 - Geometry		Medium						Application				
16	10.0 - Geometry		Medium				Synthesis						
17	10.0 - Geometry	Low							Application				
18	12.0 - Geometry		Medium								Knowledge		
19	12.0 - Geometry	Low							Application				
20	12.0 - Geometry		Medium								Knowledge		
21	16.0 - Geometry		Medium						Application				
22	16.0 - Geometry		Medium								Knowledge		
23	16.0 - Geometry		Medium							Comprehension			
24	16.0 - Geometry		Medium								Knowledge		
25	17.0 - Geometry		Medium							Comprehension			
26	17.0 - Geometry			High					Application				
27	17.0 - Geometry		Medium								Knowledge		
28	17.0 - Geometry	Low								Comprehension			
29	18.0 - Geometry	Low									Knowledge		
30	18.0 - Geometry		Medium							Comprehension			
31	18.0 - Geometry	Low									Knowledge		
32	18.0 - Geometry		Medium						Application				
33	21.0 - Geometry	Low								Comprehension			
34	21.0 - Geometry		Medium						Application				
35	21.0 - Geometry	Low									Knowledge		
36	21.0 - Geometry		Medium					Analysis					
37	3.0 - Geometry			High				Analysis					
38	4.0 - Geometry			High					Application				

#	Standard	Difficulty Level				Bloom's Taxonomy							
		Low	Medium	High	N/A	Evaluation	Synthesis	Analysis	Application	Comprehension	Knowledge	Conceptual Understanding	N/A
39	8.0 - Geometry			High				Analysis					
40	12.0 - Geometry			High					Application				
Total		12	21	7	0	0	2	7	12	10	9	0	0

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Item #	Correct Answer	Standard
1	A	Geometry - 3.0 - Geometry - Students construct and judge the validity of a logical argument and give counterexamples to disprove a statement.
2	B	Geometry - 3.0 - Geometry - Students construct and judge the validity of a logical argument and give counterexamples to disprove a statement.
3	C	Geometry - 3.0 - Geometry - Students construct and judge the validity of a logical argument and give counterexamples to disprove a statement.
4	C	Geometry - 4.0 - Geometry - Students prove basic theorems involving congruence and similarity.
5	B	Geometry - 4.0 - Geometry - Students prove basic theorems involving congruence and similarity.
6	A	Geometry - 4.0 - Geometry - Students prove basic theorems involving congruence and similarity.
7	A	Geometry - 7.0 - Geometry - Students prove and use theorems involving the properties of parallel lines cut by a transversal, the properties of quadrilaterals, and the properties of circles.
8	C	Geometry - 7.0 - Geometry - Students prove and use theorems involving the properties of parallel lines cut by a transversal, the properties of quadrilaterals, and the properties of circles.
9	D	Geometry - 7.0 - Geometry - Students prove and use theorems involving the properties of parallel lines cut by a transversal, the properties of quadrilaterals, and the properties of circles.
10	C	Geometry - 7.0 - Geometry - Students prove and use theorems involving the properties of parallel lines cut by a transversal, the properties of quadrilaterals, and the properties of circles.
11	A	Geometry - 8.0 - Geometry - Students know, derive, and solve problems involving the perimeter, circumference, area, volume, lateral area, and surface area of common geometric figures.
12	B	Geometry - 8.0 - Geometry - Students know, derive, and solve problems involving the perimeter, circumference, area, volume, lateral area, and surface area of common geometric figures.
13	B	Geometry - 8.0 - Geometry - Students know, derive, and solve problems involving the perimeter, circumference, area, volume, lateral area, and surface area of common geometric figures.
14	D	Geometry - 10.0 - Geometry - Students compute areas of polygons, including rectangles, scalene triangles, equilateral triangles, rhombi, parallelograms, and trapezoids.
15	B	Geometry - 10.0 - Geometry - Students compute areas of polygons, including rectangles, scalene triangles, equilateral triangles, rhombi, parallelograms, and trapezoids.
16		Geometry - 10.0 - Geometry - Students compute areas of polygons, including rectangles, scalene triangles, equilateral triangles, rhombi, parallelograms, and trapezoids.
17	C	Geometry - 10.0 - Geometry - Students compute areas of polygons, including rectangles, scalene triangles, equilateral triangles, rhombi, parallelograms, and trapezoids.
18	B	Geometry - 12.0 - Geometry - Students find and use measures of sides and of interior and exterior angles of triangles and polygons to classify figures and solve problems.
19	C	Geometry - 12.0 - Geometry - Students find and use measures of sides and of interior and exterior angles of triangles and polygons to classify figures and solve problems.
20	B	Geometry - 12.0 - Geometry - Students find and use measures of sides and of interior and exterior angles of triangles and polygons to classify figures and solve problems.
21	B	Geometry - 16.0 - Geometry - Students perform basic constructions with a straightedge and compass, such as angle bisectors, perpendicular bisectors, and the line parallel to a given line through a point off the line.
22	D	Geometry - 16.0 - Geometry - Students perform basic constructions with a straightedge and compass, such as angle bisectors, perpendicular bisectors, and the line parallel to a given line through a point off the line.
23	D	Geometry - 16.0 - Geometry - Students perform basic constructions with a straightedge and compass, such as angle bisectors, perpendicular bisectors, and the line parallel to a given line through a point off the line.
24	C	Geometry - 16.0 - Geometry - Students perform basic constructions with a straightedge and compass, such as angle bisectors, perpendicular bisectors, and the line parallel to a given line through a point off the line.
25	A	Geometry - 17.0 - Geometry - Students prove theorems by using coordinate geometry, including the midpoint of a line segment, the distance formula, and various forms of equations of lines and circles.

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Item #	Correct Answer	Standard
26	A	Geometry - 17.0 - Geometry - Students prove theorems by using coordinate geometry, including the midpoint of a line segment, the distance formula, and various forms of equations of lines and circles.
27	D	Geometry - 17.0 - Geometry - Students prove theorems by using coordinate geometry, including the midpoint of a line segment, the distance formula, and various forms of equations of lines and circles.
28	D	Geometry - 17.0 - Geometry - Students prove theorems by using coordinate geometry, including the midpoint of a line segment, the distance formula, and various forms of equations of lines and circles.
29	B	Geometry - 18.0 - Geometry - Students know the definitions of the basic trigonometric functions defined by the angles of a right triangle. They also know and are able to use elementary relationships between them. For example, $\tan(x) = \sin(x)/\cos(x)$, $(\sin(x))^2 + (\cos(x))^2 = 1$.
30	B	Geometry - 18.0 - Geometry - Students know the definitions of the basic trigonometric functions defined by the angles of a right triangle. They also know and are able to use elementary relationships between them. For example, $\tan(x) = \sin(x)/\cos(x)$, $(\sin(x))^2 + (\cos(x))^2 = 1$.
31	D	Geometry - 18.0 - Geometry - Students know the definitions of the basic trigonometric functions defined by the angles of a right triangle. They also know and are able to use elementary relationships between them. For example, $\tan(x) = \sin(x)/\cos(x)$, $(\sin(x))^2 + (\cos(x))^2 = 1$.
32	A	Geometry - 18.0 - Geometry - Students know the definitions of the basic trigonometric functions defined by the angles of a right triangle. They also know and are able to use elementary relationships between them. For example, $\tan(x) = \sin(x)/\cos(x)$, $(\sin(x))^2 + (\cos(x))^2 = 1$.
33	C	Geometry - 21.0 - Geometry - Students prove and solve problems regarding relationships among chords, secants, tangents, inscribed angles, and inscribed and circumscribed polygons of circles.
34	A	Geometry - 21.0 - Geometry - Students prove and solve problems regarding relationships among chords, secants, tangents, inscribed angles, and inscribed and circumscribed polygons of circles.
35	C	Geometry - 21.0 - Geometry - Students prove and solve problems regarding relationships among chords, secants, tangents, inscribed angles, and inscribed and circumscribed polygons of circles.
36	A	Geometry - 21.0 - Geometry - Students prove and solve problems regarding relationships among chords, secants, tangents, inscribed angles, and inscribed and circumscribed polygons of circles.
37	B	Geometry - 3.0 - Geometry - Students construct and judge the validity of a logical argument and give counterexamples to disprove a statement.
38	A	Geometry - 4.0 - Geometry - Students prove basic theorems involving congruence and similarity.
39	B	Geometry - 8.0 - Geometry - Students know, derive, and solve problems involving the perimeter, circumference, area, volume, lateral area, and surface area of common geometric figures.
40	D	Geometry - 12.0 - Geometry - Students find and use measures of sides and of interior and exterior angles of triangles and polygons to classify figures and solve problems.