Student \_\_\_\_\_



# **Record Keeping:** Geometry

		_		Date		Те	st Score	<del>)</del>	_	Proficien	cy
	Pretest	(Unit Test I)									
				SON CTICE	TEACH BACK	SYSTEMATIC REVIEW		VIEW	н	Lesson	Test
			Α	В	BACK	С	D	Е		Test	Date
		s, Lines, Rays, .ine Segments									
	2 Plane	es and Sets									
	3 Angle	es									
	<b>4</b> Type:	s of Angles									
		lel and endicular Lines									
		lementary and plementary es									
	7 Trans	versals									
	8 Perim Angle	neter; Interior es									
	9 Area										
		tructing and ifying Triangles									
		-		Date		Те	st Score	;		Proficien	cy
	Posttes	t (Unit Test I)									
				LE	SSON OB	JECTIVES					
	Lesson 1	Points, Lines, Rays	s, and Line	Segments	5	Lesson	3 Angle	es			
	GE.1.a	Describe a point, li line segment, and p				□ GE.3.a		5 /1		or, degree, an	
	GE.1.b	Identify points, line				□ GE.3.b □ GE.3.c		angles of	0	with a protrac measure	tor
_	054	segments, and plar		14 h 1 4	1	□ GE.3.d		0	0	ireek letters,	3-letter
	GE.1.c	ldentify symbols as rays, segments, an		ith points,	lines,	□ GE.3.e		s, and 1-le			
	GE.1.d	Define the terms eo collinear, endpoint,			ent,	Lesson		Differentiate between ∠ and m∠ Types of Angles			
	GE.1.e	Draw and label a lin line, and plane	ne segmen <sup>:</sup>	t, ray,		🗆 GE.4.a		ify angles ht, or refl		e, obtuse,	
	Lesson 2	Planes and Sets				🗆 GE.4.b		ify and ex ght angle		e meaning of or	
	GE.2.a	Define the terms co and solid geometry		ne geome	etry,	Losson					
	GE.2.b	Define a set, inters set, proper subset,	ection, unio improper s	subset, ele		Lesson □ GE.5.a	Defin		ıs parall	<b>cular Lines</b> Iel, perpendic bisect	ular,
	GE.2.c	complement, n(A), a ldentify the symbol			١,	🗆 GE.5.b	Ident	ify the syn perpendicu	nbols fo		
		union, empty or nu improper subset, e complement, n(A), a	lement, not	an eleme		□ GE.5.c	Cons		erpend	icular bisecto	r of



**Record Keeping:** Geometry

Lesson 6	Supplementary and Complementary Angles
GE.6.a	ldentify and write Greek letters alpha, beta, gamma, and delta
GE.6.b	Describe and identify adjacent angles, vertical angles, supplementary angles, and complementary angles
Lesson 7	Transversals
GE.7.a	Describe transversal, interior angles, exterior angles, corresponding angles, alternate angles, alternate exterior angles, and alternate interior angles
GE.7.b	ldentify congruent pairs of angles formed by a set of parallel lines and a transversal
GE.7.c	Describe a postulate and converse
Lesson 8	Perimeter; Interior Angles
GE.8.a	Describe perimeter, quadrilateral, rectangle, parallelogram, rhombus, trapezoid, square, and interior angle
GE.8.b	State the number of degrees in the interior angles of a triangle and a quadrilateral
Lesson 9	Area
GE.9.a	Define the terms area, height, and base
GE.9.b	Find the area of a rectangle, parallelogram, triangle, square, and trapezoid
Lesson 10	Constructing and Identifying Triangles
GE.10.a	Define the terms equilateral, equiangular, isosceles, and scalene
GE.10.b	Define the terms obtuse, right, and acute as they relate to triangles
GE.10.c	Explain why the sum of the lengths of the shorter two sides of a triangle must be greater than the length of the longest side of the triangle
GE.10.d	Demonstrate the use of hash marks to show congruent line segments or congruent angles

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# **Record Keeping:** Geometry

				Date		Те	est S	core	e		Proficien	cy
F	Pretest (	Unit Test II)										
				SON		SYSTEMATIC REVIEW						
			PRAC	CTICE	TEACH BACK				н	Lesson Test	Test Date	
			Α	В		С	D		E		1001	2410
11	Regul	ar Polygons										
12		etry of a Circle, e, and Ellipse										
13	Area an Ell	of a Circle and ipse										
14		ne: Rectangular and Cylinder										
15	Volume: Pyramid, Cone, Prism, and Sphere											
16	Surfa	ce Area of Solids										
17	Radic	als										
18	Pytha	gorean Theorem										
19	More	on Radicals										
				Date		Те	est S	core	9		Proficien	cy
ŀ	Posttest	(Unit Test II)										
				LE	SSON OB	JECTIVES						
L	esson 11	Regular Polygons				Lesson	14	Volui	me: Recta	angular S	Solid and Cyl	inder
🗆 G	E.11.a	Define the terms pol				□ GE.14.a	I	Defin	e the ter	ms face,	edge, and ve	
		convex polygon, reg hexagon, octagon, d				- 05444		they relate to solid shapes				
		interior angle, and ex	-	-	.,	□ GE.14.b □ GE.14.c		Define the terms cube and cylinder Find the volume of a rectangular solid				id
🗆 G	E.11.b	Calculate the sum of		sures of th	ie	□ GE.14.d		Find the volume of a cylinder			iu ii	
ΠG	E.11.c	interior angles of a p State the measure of		rior angle							Sabara	
	Linic	of a regular polygon	one inte	nor angle		□ GE.15.a		Volume: Pyramid, Cone, Prism, and Sphere Define the terms altitude and slant height				-
□ G	E.11.d	State that the sum of exterior angles of a p				□ GE.15.b	I	Define the terms pyramid, cone, triangular prism, and sphere				0
L	esson 12	Geometry of a Circle	e, Sphere	, and Ellip	ose	□ GE.15.c	I	Find	the volun	ne of a p	yramid	
🗆 G	E.12.a	Define the terms circ	le, cente	r, chord, r	adius,	□ GE.15.d	I	Find	the volun	ne of a co	one	
		diameter, tangent, se ellipse, central angle				□ GE.15.e					iangular prisr	n
		intercepted arc, and		-	,	□ GE.15.f	I	Find	the volun	ne of a sp	phere	
□ GE.12.b State the relationship betv					Lesson	16	Surface Area of Solids			i		
		of a central and an ir	nscribed a	angle in a	circle	□ GE.16.a	I	Find	the surfa	ce area c	of any rectang	jular solid
L	esson 13	Area of a Circle and	an Ellips	e		□ GE.16.b					of a pyramid	
n G	E.13.a	State the formula for	the area	of a circle	9	□ GE.16.c	I	Find	the surfa	ce area o	of a cylinder	



**Record Keeping:** Geometry

## Lesson 17 Radicals

Lesson I/	Rduicais
GE.17.a	Define the term radical
GE.17.b	Perform addition and subtraction operations with terms containing radicals
GE.17.c	Perform multiplication and division operations with terms containing radicals
GE.17.d	Simplify radical expressions by removing all square factors from under the radical sign
GE.17.e	Find decimal approximations of irrational roots using a calculator
Lesson 18	Pythagorean Theorem
	i yanagorean meorem
GE.18.a	Define the terms leg and hypotenuse in reference to a right triangle
	Define the terms leg and hypotenuse in
GE.18.a	Define the terms leg and hypotenuse in reference to a right triangle
GE.18.a GE.18.b	Define the terms leg and hypotenuse in reference to a right triangle State the Pythagorean theorem Use the Pythagorean theorem to find the missing side of a right triangle when two sides

### Lesson 19 More on Radicals

GE.19.a	Rationalize	the	denominator	of a	fraction
	(one-term d	leno	minator)		

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**Record Keeping:** Geometry

				Date			Tes	t Scor	е		Proficien	cy
Pre	etest (L	Init Test III)										
			LES: PRAC		TEACH BACK			ATIC R	EVIEW	н	Lesson	Test
			Α	В	BACK	C	;	D	E		Test	Date
20		al Triangles: 5°-90°										
21	Speci 30°-6	al Triangles: 0°-90°										
22	Axion and T	ns, Postulates, heorems										
23		sponding Parts angles										
24		ng Triangles ruent: SSS and										
25		ng Triangles ruent: ASA and										
26		ng Right gles Congruent										
27		ng Triangles Ir with AA										
28	Trans Geom	formational etry										
29	Trigor Funct	nometric ions										
30	Recip Trigor Funct	nometric										
		_		Date			Tes	t Scor	e		Proficien	cy
Ро	sttest (	Unit Test III)										
				LE	SSON OB.	JECTIV	<b>VES</b>					
Les	sson 20	Special Triangles:	45°-45°-90	0		Les	son 2	1 Spec	cial Triang	les: 30°-	60°-90°	
🗆 GE	.20.a	State the proportion between one leg a on a 45°-45°-90° tr	nd the hypo			□ GE		three	e sides of	a 30°-60	relationships °-90° triangle	2
🗆 GE	.20.b	State the proportio	onal relation			□ GE	.21.b		-		th of any side of a 30°-60°-90° any other side	
		between one leg o and the other leg		C C		□ GE	GE.21.c Determine wh measures of 3			0	0	
🗆 GE	.20.c	State the lengths o of a 45°-45°-90° tri		-					lengths			
🗆 GE	20 d	the length of one s		hac anglo		Les			o <b>ms, Postu</b> e the Prop		nd Theorems	
L GE	.20.ú	Determine whether measures of 45°-45	-	-		_ UL	. <u> </u>		= B, then E	-	ynnneu y.	
		side lengths				□ GE					perty: A = A	
						🗆 GE	.22.c		e the Tran = B and B			
						🗆 GE	.22.d	Defi	ne the teri	ms axiom	۱,	

 Proficiency Guide: A (Advanced) 90–100%
 P (Proficient) 80–89%
 NP (Nearing Proficiency) 70–79%
 BS (Beginning Steps) Below 70%

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postulate, and theorem



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# **Record Keeping:** Geometry

	Lesson 23	<b>Corresponding Parts of Triangles</b>	Less
	GE.23.a	Identify corresponding parts of a pair of	GE.2
		congruent or similar triangles	GE.2
	GE.23.b	Define the term remote interior angle	
	Lesson 24	Proving Triangles Congruent: SSS and SAS	GE.2
	GE.24.a	Prove a pair of triangles congruent using SSS	
	GE.24.b	Prove a pair of triangles congruent using SAS	Less
	Lesson 25	Proving Triangles Congruent: ASA and AAS	GE.3
	GE.25.a	Prove a pair of triangles congruent using ASA	GE.3
	GE.25.b	Prove a pair of triangles congruent using AAS	02.5
_	GE.25.c	Describe CPCTRC	GE.3
	GE.25.d	Identify corresponding parts of	
	01.20.0	congruent triangles	
	GE.25.e	State the amplified parallelogram theorem	
	GE.25.f	Apply the amplified parallelogram theorem	
	Lesson 26	Proving Right Triangles Congruent	
	GE.26.a	Prove two right triangles congruent by HL	
	GE.26.b		
	GE.26.c	Prove two right triangles congruent by HA	
		Prove two right triangles congruent by LA	
	GE.26.d	Prove two right triangles congruent by LL	
	Lesson 27	Proving Triangles Similar with AA	
	GE.27.a	Define the term similar	
	GE.27.b	Define the AA postulate	
	GE.27.c	Prove two triangles similar using the AA postulate	
	GE.27.d	State the ratio of corresponding sides in pairs of similar polygons	
	GE.27.e	Find the lengths of missing sides in pairs of simliar polygons when the ratio of corresponding sides is known	
	Lesson 28	Transformational Geometry	
	GE.28.a	Translate a graph horizontally and/or vertically using integer movements	
	GE.28.b	Reflect a graph across the x- or y-axis	
	GE.28.c	Reflect a graph across horizontal and vertical lines that are not axes	
	GE.28.d	Rotate a graph about the origin	
	GE.28.e	Rotate a graph about a point other than the origin	
	GE.28.f	Dilate a graph about its center	
	GE.28.g	Combine two or more transformations of one graph	
	GE.28.h	Describe a transformation, given a before and an after graph	

### Lesson 29 Trigonometric Functions

	Lesson 29	rigonometric runctions
	GE.29.a	Define the terms adjacent and opposite
	GE.29.b	Define the trigonometric ratios sine, cosine, and tangent
	GE.29.c	Give sine, cosine, and tangents of angles in triangles with given side lengths
	Lesson 30	<b>Reciprocal Trigonometric Functions</b>
	<b>Lesson 30</b> GE.30.a	<b>Reciprocal Trigonometric Functions</b> Define the trigonometric ratios secant, cosecant, and cotangent
_		Define the trigonometric ratios secant,