

INTUITIVE GEOMETRY
SEMESTER 1 ASSESSMENT ITEM SPECIFICATION SHEET & KEY



Free Response						
#	Objective	Syllabus Objective	NV State Standard			
1	Distinguish among the properties of various quadrilaterals.	7.1	4.12.1			
2	Classify triangles by angle or side measure.	6.1	4.12.7			
3	Construct geometric figures involving lines and angles.	4.12	4.12.8			
Multiple Choice						
#	Objective	Syllabus Objective	NV State Standard	08/09 Practice Key	08/09 Final Key*	09/10 Final Key
1	Classify pairs of angles.	4.7	4.12.6	C	D	
2	Classify pairs of angles.	4.7	4.12.6	D	A	
3	Solve angle-measure problems.	4.10	4.12.6	C	B	
4	Formulate strategies for determining distance between two points.	5.1	4.12.6	B	A	
5	Formulate strategies for determining distance between two points.	5.1	3.12.3	D	D	
6	Formulate strategies for determining the midpoint of a segment.	5.3	3.12.3	C	B	
7	Explore geometric or algebraic relationships using patterns.	1.5	4.12.9	B	C	
8	Compare deductive and inductive arguments.	3.8	4.12.9	A	C	
9	Compare deductive and inductive arguments.	3.8	4.12.9	D	A	
10	Solve problems using postulates & theorems related to parallel and perpendicular lines.	4.3	4.12.6	A	C	
11	Solve problems using postulates & theorems related to parallel and perpendicular lines.	4.3	4.12.6	C	C	
12	Solve problems using postulates & theorems related to parallel and perpendicular lines.	4.3	4.12.6	C	B	
13	Explore conditions which guarantee parallel and perpendicular lines.	4.5	4.12.6	D	D	
14	Justify conclusions to problems on parallel & perpendicular lines using postulates and theorems.	4.4	4.12.9	A	A	
15	Classify triangles by angle or side measure.	6.1	4.12.1	C	D	
16	Solve problems involving angles of a triangle.	6.5	4.12.6	B	C	
17	Solve and prove problems using the theorems and postulates for congruence.	6.15	4.12.9	D	B	
18	Solve and prove problems using the theorems and postulates for congruence.	6.15	4.12.9	A	B	
19	Solve and prove problems using the theorems and postulates for congruence.	6.15	4.12.6	B	C	
20	Solve and prove problems using corresponding parts of congruent triangles.	6.14	4.12.1	B	A	
21	Solve and prove problems using corresponding parts of congruent triangles.	6.14	4.12.9	C	D	
22	Solve problems involving angles of a triangle.	6.5	4.12.1	A	A	
23	Recognize the relationship between sides and angles of a triangle.	6.2	4.12.7	D	D	
24	Verify that three given sides form a triangle.	6.3	4.12.7	B	C	
25	Classify polygons.	8.1	4.12.1	B	B	
26	Classify polygons.	8.1	4.12.1	D	D	

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Multiple Choice						
#	Objective	Syllabus Objective	NV State Standard	08/09 Practice Key	08/09 Final Key*	09/10 Final Key
27	Solve problems involving the sum of interior angles of a given polygon.	8.3	4.12.6	C	C	
28	Solve problems relating to properties of quadrilaterals using algebraic techniques.	7.3	4.12.1	B	C	
29	Develop strategies for finding the measures of an interior angle of a given regular polygon.	8.2	4.12.6	A	B	
30	Explore relationships within each quadrilateral.	7.2	4.12.1	D	D	
31	Distinguish among the properties of various quadrilaterals.	7.1	4.12.1	C	B	
32	Solve problems relating to properties of quadrilaterals using algebraic techniques.	7.3	4.12.6	B	B	
33	Develop strategies for finding the measures of an interior angle of a given regular polygon.	8.2	4.12.6	B	C	
34	Recognize the relationship between sides and angles of a triangle.	6.2	4.12.1	A	C	
35	Explore geometric or algebraic relationships using patterns.	1.5	4.12.9	C	A	
36	Compose examples of inductive and deductive reasoning.	3.7	4.12.9	B	D	
37	Formulate strategies for determining the slope of a line.	5.2	4.12.5	B	C	
38	Distinguish among the properties of various quadrilaterals.	7.1	4.12.1	A	A	
39	Explore relationships within each quadrilateral.	7.2	4.12.1	A	B	
40	Compose examples of deductive reasoning in real-world situations.	3.6	4.12.9	C	B	
41	Distinguish between a hypothesis and the conclusion of a conditional statement.	3.1	4.12.9	A	D	
42	Identify parallel, perpendicular and intersecting lines using slope.	4.1	4.12.5	C	B	
43	Identify parallel, perpendicular and intersecting lines using slope.	4.1	4.12.5	D	B	
44	Propose a conclusion from given information.	3.5	4.12.9	D	A	
45	Distinguish among the various terms associated with an angle.	4.6	4.12.1	A	C	
46	Justify conclusions to problems using the theorems related to angles.	4.11	4.12.1	A	D	
47	Justify conclusions to problems using the theorems related to angles.	4.11	4.12.1	B	C	
48	Develop accuracy using geometric tools.	2.5	3.12.3	C	A	
49	Distinguish among the median, altitude, angle bisector, and perpendicular bisector of a triangle.	6.7	4.12.1	D	C	
50	Distinguish among the median, altitude, angle bisector, and perpendicular bisector of a triangle.	6.7	4.12.1	D	A	