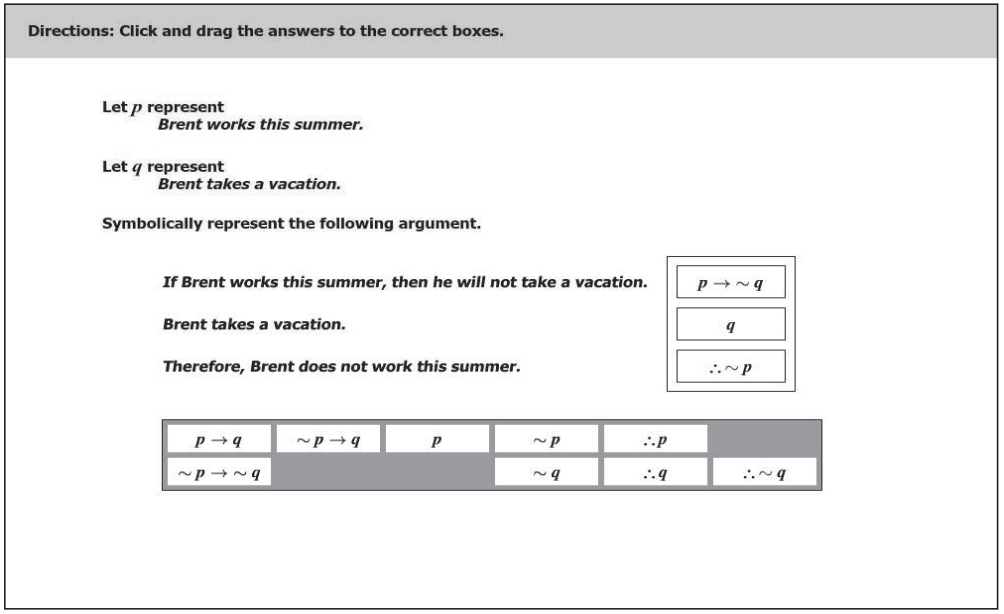
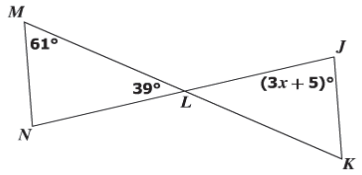
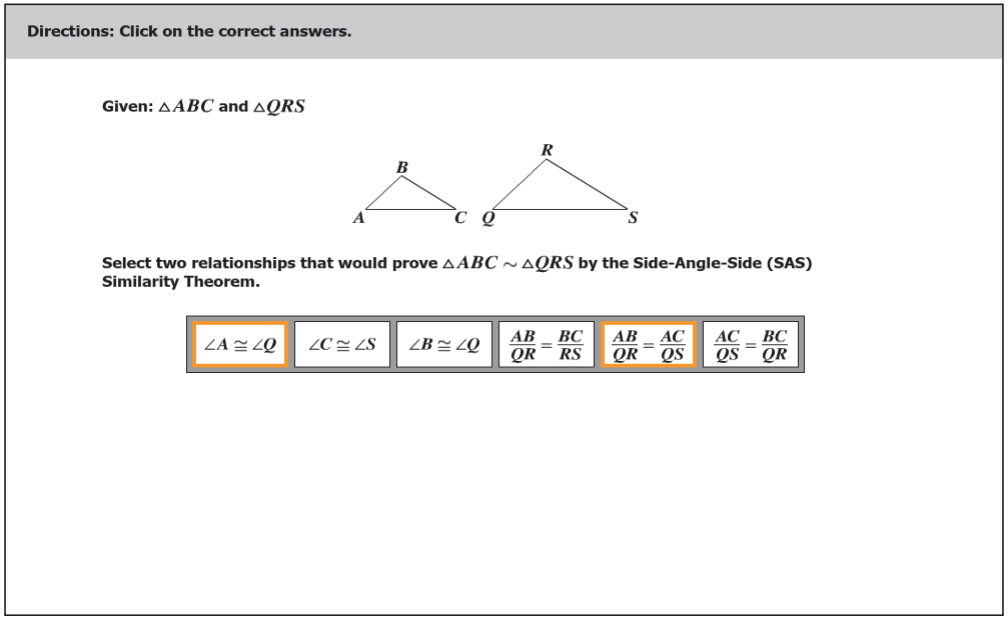
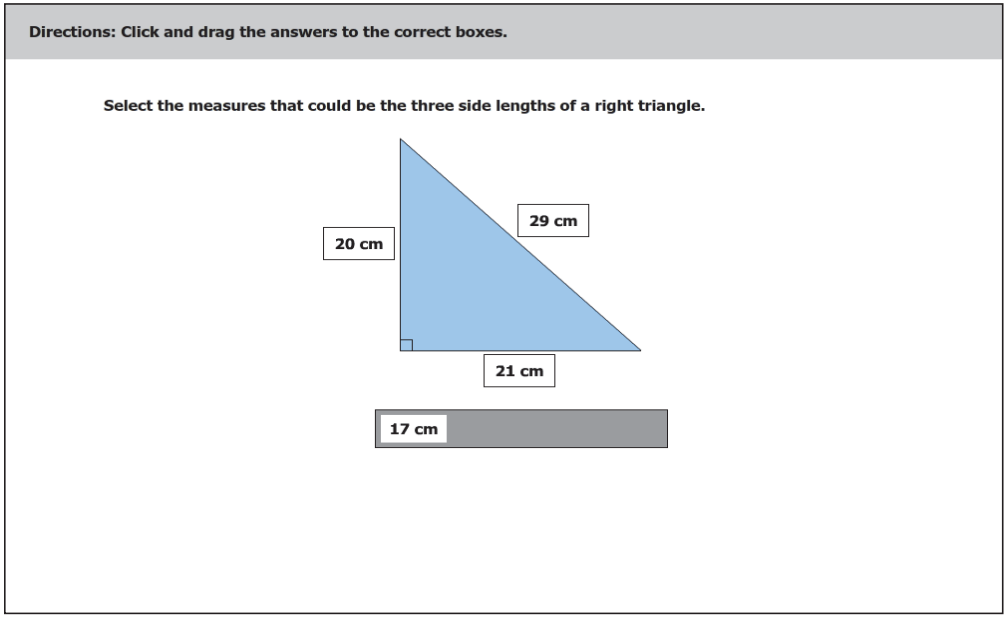
Geometry
Released Test Item Set Spring 2015
Answer Key

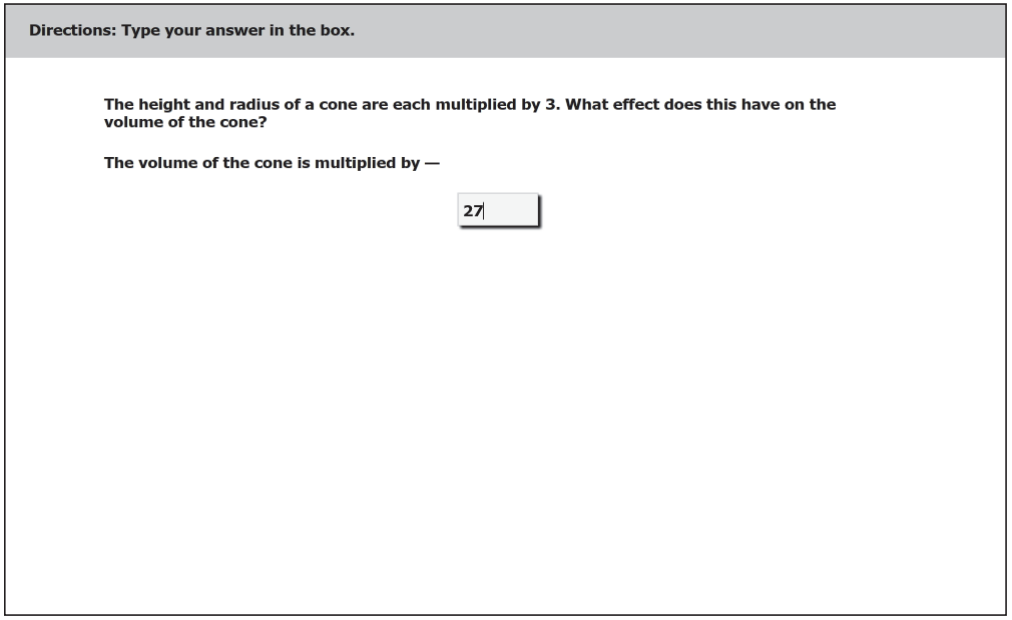
Sequence Number	Item Type: Multiple Choice (MC) or Technology-Enhanced Item (TEI)	Correct Answer	Reporting Category	Reporting Category Description
1	MC	B	001	Reasoning, Lines, and Transformations
2	MC	A	001	Reasoning, Lines, and Transformations
3	TEI	Answers must be placed in this order from top to bottom: $p \rightarrow \sim q$ q $\therefore \sim p$ 	001	Reasoning, Lines, and Transformations
4	MC	B	001	Reasoning, Lines, and Transformations
5	MC	B	001	Reasoning, Lines, and Transformations

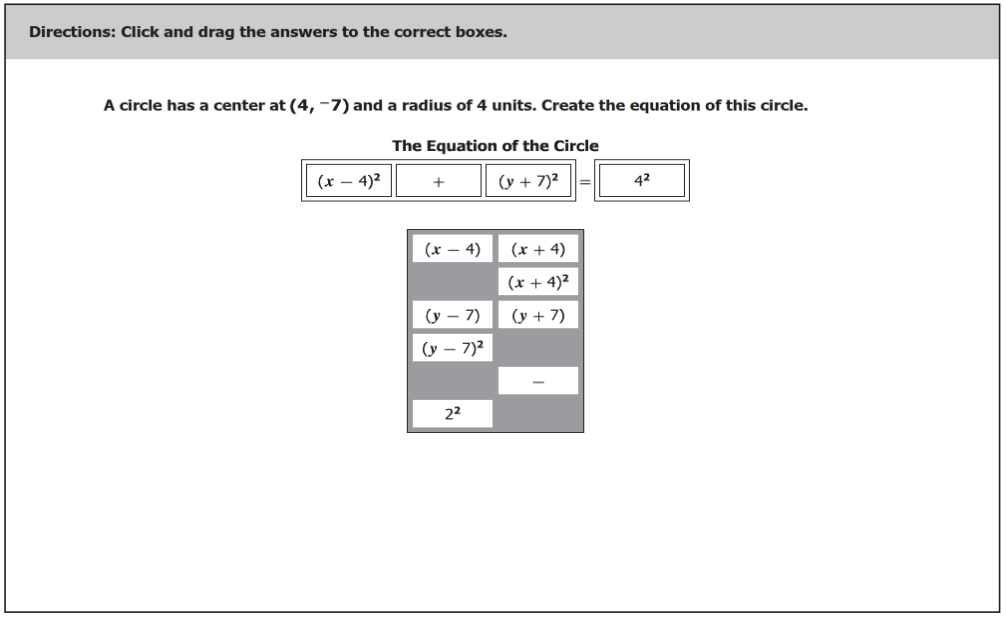
Sequence Number	Item Type: Multiple Choice (MC) or Technology-Enhanced Item (TEI)	Correct Answer	Reporting Category	Reporting Category Description
6	MC	A	001	Reasoning, Lines, and Transformations
7	MC	B	001	Reasoning, Lines, and Transformations
8	MC	B	001	Reasoning, Lines, and Transformations
9	MC	D	001	Reasoning, Lines, and Transformations
10	MC	D	001	Reasoning, Lines, and Transformations
11	MC	A	001	Reasoning, Lines, and Transformations
12	TEI	Typed response: 25 (and all equivalent answers) **Directions: Type your answer in the box.** **The figure shows $\overline{JN}$ and $\overline{KM}$ intersecting at point L.**  **What value of x proves $\overline{JK} \parallel \overline{MN}$?** $x =$ 25	001	Reasoning, Lines, and Transformations
13	MC	D	001	Reasoning, Lines, and Transformations
14	MC	C	001	Reasoning, Lines, and Transformations
15	MC	A	001	Reasoning, Lines, and Transformations
16	MC	C	002	Triangles

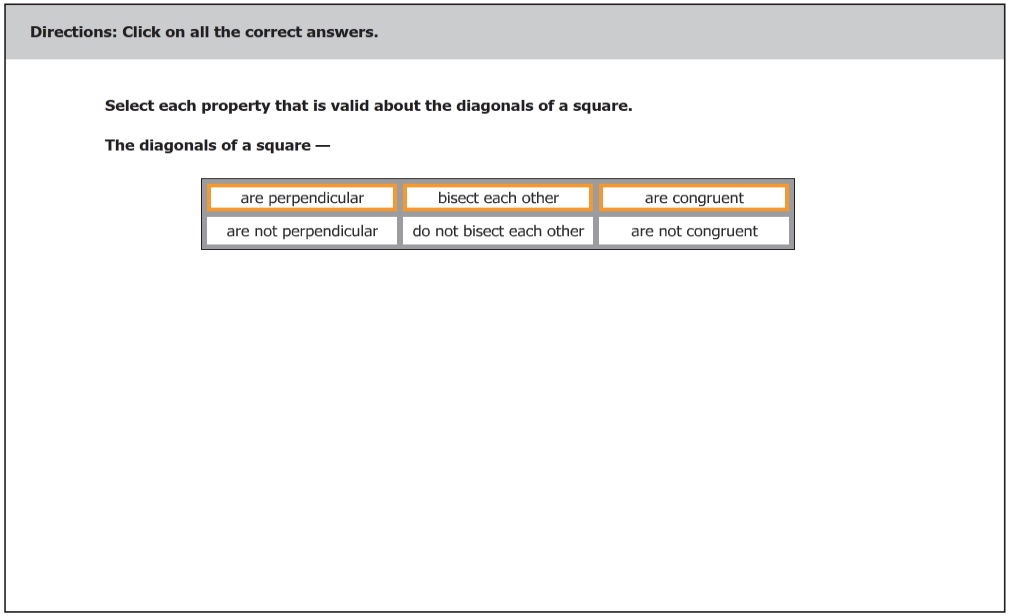
Sequence Number	Item Type: Multiple Choice (MC) or Technology-Enhanced Item (TEI)	Correct Answer	Reporting Category	Reporting Category Description
17	TEI	$< A \cong < Q$ (the first box from the left) and $\frac{AB}{QR} = \frac{AC}{QS}$ (the fifth box from the left) Both of these answers, and only these answers, must be selected. 	002	Triangles
18	MC	A	002	Triangles
19	MC	B	002	Triangles
20	MC	A	002	Triangles
21	MC	C	002	Triangles
22	MC	C	002	Triangles
23	MC	C	002	Triangles

Sequence Number	Item Type: Multiple Choice (MC) or Technology-Enhanced Item (TEI)	Correct Answer	Reporting Category	Reporting Category Description
24	TEI	Measures must be placed in the correct order from left to right, top to bottom: 20 cm; 29 cm; 21 cm OR 21 cm; 29 cm; 20 cm One of these answers is shown below.  	002	Triangles
25	MC	C	002	Triangles

Sequence Number	Item Type: Multiple Choice (MC) or Technology-Enhanced Item (TEI)	Correct Answer	Reporting Category	Reporting Category Description
26	TEI	Answers must be placed in the correct order from left to right: $< R;\ < T;\ < S$ **Directions: Click and drag the answers to the correct boxes.** **Given:** $\triangle RST$ $RS = 14$ in. $ST = 10$ in. $TR = 16$ in. **List the interior angles of $\triangle RST$ in order from smallest to largest.** $\angle R$ $\angle T$ $\angle S$ Smallest → Largest	002	Triangles
27	MC	D	002	Triangles
28	MC	D	002	Triangles
29	MC	B	003	Polygons, Circles, and Three-Dimensional Figures
30	MC	A	003	Polygons, Circles, and Three-Dimensional Figures
31	MC	D	003	Polygons, Circles, and Three-Dimensional Figures

Sequence Number	Item Type: Multiple Choice (MC) or Technology-Enhanced Item (TEI)	Correct Answer	Reporting Category	Reporting Category Description
32	TEI	Typed response: 27 (and all equivalent answers) 	003	Polygons, Circles, and Three-Dimensional Figures
33	MC	B	003	Polygons, Circles, and Three-Dimensional Figures
34	MC	A	003	Polygons, Circles, and Three-Dimensional Figures
35	MC	B	003	Polygons, Circles, and Three-Dimensional Figures
36	MC	C	003	Polygons, Circles, and Three-Dimensional Figures

Sequence Number	Item Type: Multiple Choice (MC) or Technology-Enhanced Item (TEI)	Correct Answer	Reporting Category	Reporting Category Description
37	TEI	$(x-4)^2+(y+7)^2=4^2$ OR $(y+7)^2+(x-4)^2=4^2$ One of these answers is shown below. 	003	Polygons, Circles, and Three-Dimensional Figures
38	MC	B	003	Polygons, Circles, and Three-Dimensional Figures
39	MC	C	003	Polygons, Circles, and Three-Dimensional Figures
40	MC	D	003	Polygons, Circles, and Three-Dimensional Figures
41	MC	D	003	Polygons, Circles, and Three-Dimensional Figures
42	MC	D	003	Polygons, Circles, and Three-Dimensional Figures

Sequence Number	Item Type: Multiple Choice (MC) or Technology-Enhanced Item (TEI)	Correct Answer	Reporting Category	Reporting Category Description
43	TEI	are perpendicular (first row, first column); bisect each other (first row, second column); are congruent (first row, third column) All of these answers, and only these answers, must be selected. 	003	Polygons, Circles, and Three-Dimensional Figures
44	MC	C	003	Polygons, Circles, and Three-Dimensional Figures
45	MC	B	003	Polygons, Circles, and Three-Dimensional Figures

868950 1 2 3 4 5 A B C D E Printed in the USA ISD6978