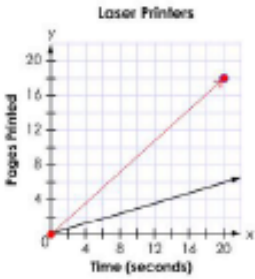


**Grade 8 Mathematics Sample Items
Answer Key**

Item #	Item Type	Point(s)	Standard	Rubric / Key	Scoring																
1	Grid	1	8.EE.5		The correct graph receives 1 point																
2	Equation	1	8.F.2	$Y = 0.5x$ Other Correct Responses: • Any equation of the form $y = mx + b$, where $0.4 < m < 0.75$	A correct equation receives 1 point																
3	Matching	1	8.EE.7a	<table border="1" data-bbox="630 958 1491 1096"> <thead> <tr> <th></th> <th>No Solution</th> <th>One Solution</th> <th>Infinitely Many Solutions</th> </tr> </thead> <tbody> <tr> <td>$-2x + 3 = -3x + 2$</td> <td><input type="checkbox"/></td> <td><input checked="" type="checkbox"/></td> <td><input type="checkbox"/></td> </tr> <tr> <td>$-2x + 3 = -2x + 3$</td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> <td><input checked="" type="checkbox"/></td> </tr> <tr> <td>$-2x + 3 = 2x + 3$</td> <td><input type="checkbox"/></td> <td><input checked="" type="checkbox"/></td> <td><input type="checkbox"/></td> </tr> </tbody> </table>		No Solution	One Solution	Infinitely Many Solutions	$-2x + 3 = -3x + 2$	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	$-2x + 3 = -2x + 3$	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	$-2x + 3 = 2x + 3$	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	A correct response receives 1 point
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$-2x + 3 = 2x + 3$	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>																		

Item #	Item Type	Point(s)	Standard	Rubric / Key	Scoring
4	Multi-Select	1	8.G.2	<input type="checkbox"/> a clockwise rotation of 90 degrees and then a dilation by a scale factor of 2 <input type="checkbox"/> a dilation by a scale factor of 2 and then a reflection across the y -axis <input checked="" type="checkbox"/> a clockwise rotation of 90 degrees and then a reflection across the y -axis <input type="checkbox"/> a translation 5 units down and then a dilation by a scale factor of 2 <input checked="" type="checkbox"/> a translation 5 units down and then a clockwise rotation of 90 degrees <input checked="" type="checkbox"/> a reflection across the y -axis and then a translation 5 units down	The correct response receives 1 point
5	Multiple Choice	1	8.SP.1	C	The correct response receives 1 point
6	Equation	1	8.G.7	12.8 Other Correct Responses: <ul style="list-style-type: none"> • 12.806 and 12.81 • any value between 12.806 and 12.81, inclusive Note: Because the item assesses 8.G.7, the application of the Pythagorean Theorem, a range of acceptable responses is provided (12.8, 12.806 and 12.81, inclusive) so that responses that contain a minor error in rounding will be scored as correct.	A correct value receives 1 point