


New York State Testing Program
Next Generation Mathematics Test
Performance Level Descriptions

Geometry
Spring 2024



Cluster	Performance Level 5	Performance Level 4	Performance Level 3	Performance Level 2
Experiment with transformations in the plane. CO.A				
		$x^2 + y^2 = 0$		
				rotation of 90° or 180° .

Cluster	Performance Level 5	Performance Level 4	Performance Level 3	Performance Level 2
Understand congruence in terms of rigid motions. CO.B				

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Prove theorems involving similarity. SRT.B				

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Cluster	Performance Level 5	Performance Level 4	Performance Level 3	Performance Level 2
Understand and				

Cluster				

Cluster	Performance Level 5	Performance Level 4	Performance Level 3	Performance Level 2
Translate between the geometric description and the equation of a conic section. GPE.A				

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Use coordinates to prove simple geometric theorems algebraically. GPE.B	$A \quad B a b$			

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Apply geometric concepts in modeling situations. MG.A				