


**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				
		$x = 0$ $y$		
				rotation of $90^\circ$ or $180^\circ$ .



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				

Cluster	Performance Level 5	Performance Level 4	Performance Level 3	Performance Level 2
Use coordinates to prove simple geometric theorems algebraically. GPE.B	$A \quad B a b$			



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Cluster	Performance Level 5	Performance Level 4	Performance Level 3	Performance Level 2
Apply geometric concepts in modeling situations. MG.A				