

	Example Topics	Level 1 Entering	Level 2 Beginning	Level 3 Developing	Level 4 Expanding	Level 5 Bridging
LISTENING	<b>Coordinate planes, graphs &amp; equations</b>	Identify language of basic components of coordinate planes, graphs or equations from figures and oral statements (e.g., x-axis, y-axis, coefficients, variables)	Create or change graphs, equations or points on coordinate planes from figures and general oral descriptions (e.g., “Shift the graph up by two.”)	Match specific language of complex graphs, equations or coordinate planes with figures and detailed oral descriptions (e.g., zeros, y-intercept, slope, rise, run, change in x)	Compare/contrast graphs, equations or coordinate planes from figures and oral scenarios using some technical language (e.g., trends, logarithmic/exponential growth, periodic motion)	Analyze graphing techniques, graphical models or equations from oral reading of grade-level material (e.g., best fit lines, connections between multiple representations)
SPEAKING	<b>Mathematical relations &amp; functions</b>	Name variables from illustrations and notation	Relate functions of two variables from illustrations and notation	Give examples of representations of functions of two variables from illustrations and notation	Interpret representations of functions of two variables with or without visual support	Analyze functions of one variable in relation to another (e.g., rates of change, intercepts, zeros, asymptotes)
READING	<b>Multi-dimensional shapes</b>	Identify basic components of multi-dimensional shapes from visually supported words or phrases (e.g., segment, angle, side, diagonal)	Pair descriptions of multi-dimensional shapes or their components with visually supported sentences (e.g., prism, cube, sphere, cylinder)	Compare/contrast multi-dimensional shapes or arguments within visually supported text (e.g., based on angles, parallel/perpendicular sides or diagonals, “At least one pair of...”)	Match specific and some technical language associated with components of geometric arguments, constructions or shapes to visually supported text (e.g., ray, alternate interior angles, corresponding sides)	Analyze and defend geometric arguments, theorems or shapes (e.g., examples v. proofs)
WRITING	<b>Formulas &amp; equations</b>	Produce elements of equations or formulas from word/phrase banks and models (e.g., labeling diagrams)	Describe equations or formulas using figures and notation from word/phrase banks and models (e.g., factors, terms)	Sequence steps for solving problems involving equations or formulas using figures, notation and sequential language (e.g., “First, put an x in the top half or numerator”)	Explain uses of equations or formulas using figures, notation and complex sentences (e.g., “Give examples of when you would use...”)	Summarize procedures for solving problems involving formulas and equations (e.g., geometry problems involving algebra)

Level 6 - Reaching