

<p>relationships in a variety of ways.</p> <p>Use operations, properties, and algebraic symbols to determine equivalence and solve problems.</p> <p>Use numbers and their properties to compute flexibly and fluently, and to reasonably estimate measures and quantities.</p> <p>Develop and apply units, systems, formulas and appropriate tools to estimate and measure.</p>	<p>functions and relations to specific parameters and determine functions to model real world situations.</p> <p>Use and extend algebraic concepts to include real and complex numbers.</p> <p>Investigate mathematical properties and operations related to objects that are not numbers.</p> <p>Approximate measurements that can not be directly determined with some degree of precision using appropriate tools, techniques and strategies.</p>	<ul style="list-style-type: none"> • Recognize the effect of changes in parameters on the graphs of functions or relations. • Relate the graphical representation of a function family and find equations, intercepts, maximum or minimum values, asymptotes and line of symmetry for that function. • Use logarithms to solve problems. • Perform operations with complex numbers and logarithms. • Use successive approximations, upper and lower bounds, limits to solve measurement problems. 		
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<p>Use spatial reasoning, location and geometric relationships to solve problems.</p> <p>Collect, organize and display data using appropriate statistical</p>	<p>Use a variety of coordinate systems and transformations to solve geometric problems in two- and three-dimensions using appropriate tools and technology.</p> <p>Create the appropriate</p>	<ul style="list-style-type: none"> • Use properties of similarity and techniques of trigonometry to make indirect measurements of lengths and angle to solve a variety of problems. • Use Cartesian and navigational systems to represent analyze and solve geometric and measurement problems. • Represent translations, reflections, rotations, and dilations of plane figures using sketches, coordinates and function notation to examine the effects of transformations and their composites and to solve related geometric 		
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	<p>dimensional measurements using geometric relationships and trigonometric ratios.</p>	<ul style="list-style-type: none">• Select appropriate units, scales, degree of precision and strategies to determine length, angle measure, perimeter, circumference and area of plane geometric figures.• Use indirect methods including the Pythagorean theorem, trigonometric ratios and proportions in similar figures to solve a variety of measurement problems		
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