

**Coordinate Algebra – Understanding Your Child’s Performance:** Below is a summary of skills and knowledge students must demonstrate to achieve each performance level. A student should demonstrate mastery of knowledge and skills within his/her achievement level *as well as* all content and skills that precede it. For example, a Proficient Learner should also possess the knowledge and skills of a Developing Learner *and* a Beginning Learner.

	Beginning Learner	Developing Learner	Proficient Learner	Distinguished Learner
<b>End-of-Course Coordinate Algebra</b>	<p>In general, your child can:</p> <ul style="list-style-type: none"> <li>• use numbers and units of measure to solve problems</li> <li>• identify and solve one-variable linear equations</li> <li>• identify and define a function</li> <li>• recognize angles, circles, perpendicular lines, parallel lines, and line segments</li> <li>• represent data on a single variable</li> </ul>	<p>In general, your child can:</p> <ul style="list-style-type: none"> <li>• reason with units of measure to solve problems</li> <li>• solve and graph systems of equations</li> <li>• use function notation</li> <li>• build functions from models</li> <li>• compare linear and exponential models</li> <li>• represent transformations in the coordinate plane</li> <li>• represent and interpret data on a single variable</li> </ul>	<p>In general, your child can:</p> <ul style="list-style-type: none"> <li>• convert units of measure to solve problems</li> <li>• create equations that describe numbers or relationships</li> <li>• solve and graph equations, inequalities, and systems of equations</li> <li>• interpret and analyze functions</li> <li>• solve real-world problems using functions</li> <li>• build functions from existing functions</li> <li>• construct linear and exponential models</li> <li>• compare and describe transformations in the coordinate plane</li> <li>• represent and interpret data on two variables</li> </ul>	<p>In general, your child can:</p> <ul style="list-style-type: none"> <li>• analyze and interpret units of measure to solve problems</li> <li>• solve and graph multistep equations and inequalities with one or two variables</li> <li>• solve systems of equations in real-world contexts</li> <li>• build and test functions</li> <li>• analyze linear and exponential models</li> <li>• interpret transformations in the coordinate plane to analyze congruence</li> <li>• use coordinates to prove geometric theorems algebraically</li> </ul>