**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.

<table>
<thead>
<tr>
<th></th>
<th>Beginning Learner</th>
<th>Developing Learner</th>
<th>Proficient Learner</th>
<th>Distinguished Learner</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>End-of-Course</strong></td>
<td>In general, your child can:</td>
<td>In general, your child can:</td>
<td>In general, your child can:</td>
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<tr>
<td><strong>Coordinate</strong></td>
<td>• use numbers and units of measure to solve problems</td>
<td>• reason with units of measure to solve problems</td>
<td>• convert units of measure to solve problems</td>
<td>• analyze and interpret units of measure to solve problems</td>
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<tr>
<td><strong>Algebra</strong></td>
<td>• identify and solve one-variable linear equations</td>
<td>• solve and graph systems of equations</td>
<td>• create equations that describe numbers or relationships</td>
<td>• solve and graph multistep equations and inequalities with one or two variables</td>
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<tr>
<td></td>
<td>• identify and define a function</td>
<td>• use function notation</td>
<td>• solve and graph equations, inequalities, and systems of equations</td>
<td>• solve systems of equations in real-world contexts</td>
</tr>
<tr>
<td></td>
<td>• recognize angles, circles, perpendicular lines, parallel lines, and line segments</td>
<td>• build functions from models</td>
<td>• interpret and analyze functions</td>
<td>• build and test functions</td>
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<tr>
<td></td>
<td>• represent data on a single variable</td>
<td>• compare linear and exponential models</td>
<td>• solve real-world problems using functions</td>
<td>• analyze linear and exponential models</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• represent transformations in the coordinate plane</td>
<td>• build functions from existing functions</td>
<td>• interpret transformations in the coordinate plane to analyze congruence</td>
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<tr>
<td></td>
<td></td>
<td>• represent and interpret data on a single variable</td>
<td>• construct linear and exponential models</td>
<td>• use coordinates to prove geometric theorems algebraically</td>
</tr>
</tbody>
</table>