

# Geometry—Unit 0 Review Scale

Lessons 0.1, 0.2, 0.5, 0.9, 3.3, 3.4 and quadratic equation review

PASS: 6<sup>th</sup> Grade Standard 4 - The student will use measurements within the metric and customary systems to solve problems in a variety of contexts.

Alg 1.2a Simplify and evaluate rational and radical expressions

8.1.1a a. Model, write, and solve multi-step linear equations with one variable using a variety of methods to solve application problems.

Alg. 2.5b Solve quadratic equations by graphing, factoring, or using the quadratic formula.

Geo 5.1 Find the distance between two points; the midpoint of a segment; and calculate the slopes of parallel, perpendicular, horizontal, and vertical lines.

Advanced	In addition to Satisfactory applications, in depth inferences are made and applications that go beyond what was taught.
Satisfactory	<p>Students will be able to:</p> <ul style="list-style-type: none"> <li>○ Convert units of measurement in the same system and between metric and customary systems using dimensional analysis.</li> <li>○ Use algebra to solve linear equations.</li> <li>○ Evaluate square roots and simplify radical expressions without a calculator.</li> <li>○ Find slopes of lines and use them to identify parallel and perpendicular lines.</li> <li>○ Write an equation of a line given information about the graph.</li> <li>○ Solve problems by writing and solving equations.</li> <li>○ Solve quadratic equations by factoring and by using the quadratic equation.</li> <li>○ Understand vocabulary: radicand, radical, radical sign, product property of square roots, quotient property of square roots, slope, rate of change, parallel, perpendicular, slope intercept form, point slope form, quadratic equation, quadratic formula</li> </ul> <p>Student exhibits no major errors or omissions.</p>
Limited Knowledge	<ul style="list-style-type: none"> <li>○ Recognizes or recalls vocabulary, but cannot explain or elaborate.</li> <li>○ Performs most of the processes of converting units of measurement, but makes small errors, or needs help.</li> <li>○ Performs most of the processes of solving linear equations, but makes small errors, or needs help.</li> <li>○ Performs most of the processes of simplifying radicals, but makes small errors, or needs help.</li> <li>○ Performs most of the processes of finding slopes of lines, but makes small errors, or needs help.</li> <li>○ Has some difficulty identifying parallel and perpendicular lines, but has most of the major concept.</li> <li>○ Performs most of the processes of slope intercept form and point slope form, but makes small errors, or needs help.</li> <li>○ Has difficulty writing equations from word sentences, but with some help can accomplish this accurately.</li> <li>○ Performs most of the processes of solving and factoring quadratics, or using quadratic formula, but makes small errors or needs help.</li> </ul> <p>No major errors or omissions regarding the simpler details and processes, but the student exhibits major errors or omissions regarding the more complex ideas and processes.</p>
Unsatisfactory	With help, a partial understanding of the limited knowledge content, but not the satisfactory content.