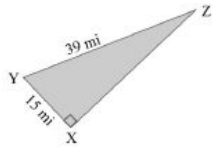
Subject: Math-Quarter 1	Grade: 8	Strand: Geometry

Standard: 8.GM.8: Apply the Pythagorean Theorem to determine unknown side lengths in right triangles in real-world and other mathematical problems in two dimensions.

4.0	**Student demonstrates a deep understanding by consistently extending work beyond Level 3.**	**Sample Task(s)** Two cars leave a parking lot at the same time. One car travels north at an average speed of 30 miles per hour and the other travels west at an average speed of 55 miles per hour. How far apart are the cars after 1 hour? After 2 hours? After 5 hours? Round answers to the nearest hundredth.
3.5	*Student has consistently met Level 3 requirements, but occasionally demonstrates the ability to successfully work beyond.*	
3.0	**The student demonstrates proficiency on the grade level standard by:** ● determine unknown side lengths in right triangles in real-world and other mathematical problems in two dimensions. ● apply the Pythagorean Theorem to determine the unknown side. **The student is consistently able to apply the grade level concepts and skills above.**	**Sample Task(s)** Find the length of side XZ, using the given information. 

2.5	*Student has demonstrated an understanding of the concepts and skills in Level 2, as well as some success on Level 3 concepts and skills.*	
2.0	**The student is demonstrating success on the following foundational concepts and skills:** ● Square numbers ● Square roots of numbers ● Estimating square roots ● Solve a two step equation for the unknown variable	**Sample Task(s)**
1.5	*Student has independently demonstrated some success on the foundational concepts and skills.*	
1.0	**The student can demonstrate some success on the foundational concepts and skills but requires support to do so.**	
0.0	**There is no evidence of success on the foundational concepts and skills, even with support.**	