Name: _____

Scale drawing problem-solving activity

Problem: Your toy production marketing team has just created a toy car which will be presented to the vice president of Hot Wheels, Inc. Your team is preparing for the presentation and while trying to pull up your scale drawing of the toy, your computer crashes! Your team has managed to recover most of the files BUT the scale drawing has been lost. You must now sketch the toy car and use it as a visual aid at the presentation with the Hot Wheels, Inc. vice president.

The team has decided to use the ratio 1 cm (toy) = 2.25 cm (sketch). Complete the function table for the dimensions and draw the sketch of the toy car. Be sure to include a top view and side view!

Dimensions (side view)	Toy (x)	y = 2.25x	Sketch (y)
Car length			
Car height			
Wheel height			
Other focal point			
Dimensions (top view)	**Toy (x)**	**y = 2.25x**	**Sketch (y)**
Car length			
Car height			
Hood length (front end to windshield)			
Trunk length (back to back windshield)			
Top of car			

Reflection questions

1. How can math relate to a career in marketing?

2. How has technology influenced scale drawing over the past 20 years?

3. In the problem presented to you today, you worked in the marketing department of a toy company. What other companies might rely on an employee who can use the skills you applied today?

4. Of the companies you mentioned in your answer to question #3, which could you see yourself working for? Why?