## Barbie and Ken: Do Size - and Shape - Matter?

Which Barbie or Ken doll	are you measuring?			
We are going to "scale" to size (scale) of a person. Colass will use the same he	hoose a "normal heig	ht" to scale the me	easurements of the doll	to (not everyone in the
Record the actual height	of the doll:			
Now take at least six of the waist, and hip circumfere normal height that you claight want to make mea normal.	ence. Then find what hose to use above. Als	those measuremer so record what you	nts would be if the doll was think normal measure	were scaled to the ments would be – you
	Measurement:	Scales to:	Normal:	
Chest circumference				
Waist circumference				
Hip circumference				
Finger length				
Head height				
Shoulder width				
Arm length				
Leg length				
Foot length				
Other:				
Other:				
What is the ratio of the no				
Are any of Barbie or Ken' Did your findings match			range? Which one(s)?	

Mattel, which makes Barbie, might claim that the doll is actually proportioned like a normal adult woman. Write a sentence defending Barbie's proportions, from the point of view of Mattel, using the mathematics you have just investigated:

On the other hand, Mattel might be criticized for making a doll which does not match human proportions. Write a sentence criticizing Mattel for the proportions of the Barbie Doll, using the mathematical results of your investigation:
What do you think about the issues raised in this assignment?