Unit 1 Day 4 HW

Name:

1. Describe the transformation given by rule $(x, y) \rightarrow (3x, y)$. Is it an "Isometry"? Why or why not?

2. Write an algebraic rule that would cause dilation by a factor of 3 and dilation by a factor of 1/2.



Applications:

7. The package for a model airplane states the scale is 1:63. The length of the model is 7.6 cm. What is the length of the actual airplane?

8. Another model airplane states the scale is 1:96. The length of the real airplane is 48 feet. What is the length of the model?