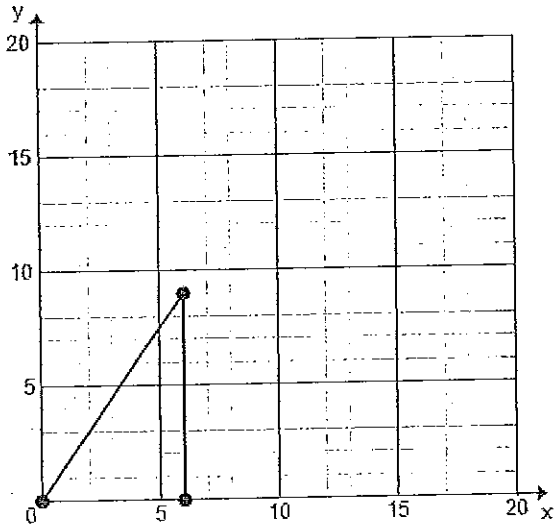
Name _____ Date _____

Relating Scale Drawings to Ratios and Rates

Use the following figure on the graph for problems 1 and 2.



1.

a. If the original lengths are multiplied by 2, what are the new coordinates?

b. Use the table to organize lengths.

Actual Picture Lengths (in units)		
New Picture Lengths (in units)		

c. Is the new picture a reduction or an enlargement?

d. What is the constant of proportionality?

a. If the original lengths are multiplied by $\frac{1}{3}$ what are the new coordinates?

b. Use the table to organize the lengths.

Actual Picture Lengths (in units)		
New Picture Lengths (in units)		

c. Is the new picture a reduction or an enlargement?

d. What is the constant of proportionality?