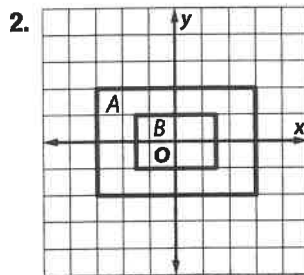
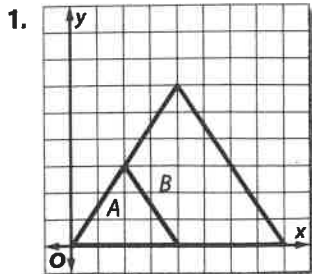


Check Your Understanding

= Step-by-Step Solutions begin on page R14.

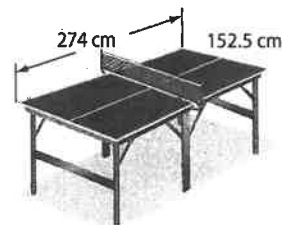


Example 1 Determine whether the dilation from A to B is an *enlargement* or a *reduction*. Then find the scale factor of the dilation.



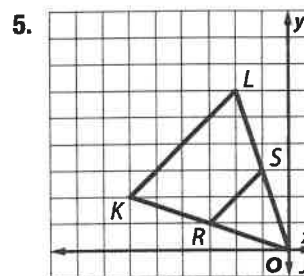
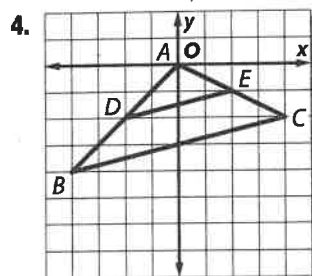
Example 2

GAMES The dimensions of a regulation tennis court are 27 feet by 78 feet. The dimensions of a table tennis table are 152.5 centimeters by 274 centimeters. Is a table tennis table a dilation of a tennis court? If so, what is the scale factor? Explain.



Example 3

CCSS ARGUMENTS Verify that the dilation is a similarity transformation.



Practice and Problem Solving

Extra Practice is on page R7.

Example 1 Determine whether the dilation from A to B is an *enlargement* or a *reduction*. Then find the scale factor of the dilation.

