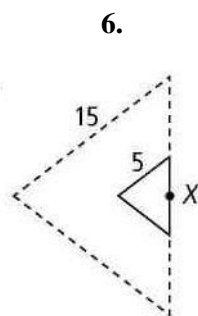
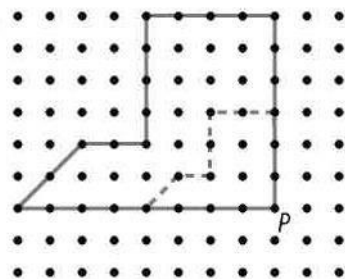
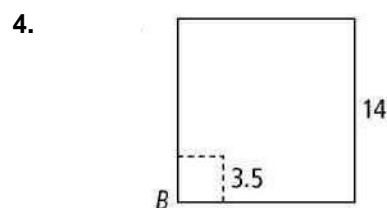
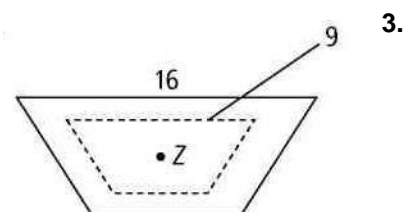
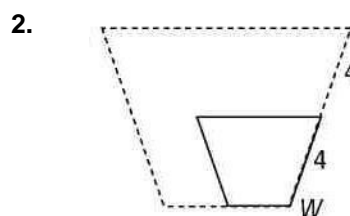
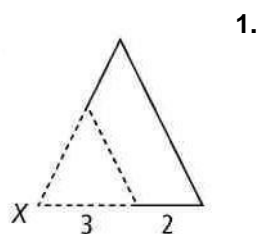


9-5

Dilations

The solid-line figure is a dilation of the dashed-line figure. The labeled point is the center of dilation. Tell whether the dilation is an enlargement or a reduction. Then find the scale factor of the dilation.



7. A square has 16-cm sides. Describe its image for a dilation with center at one of the vertices and scale factor 0.8.

A dilation has center $(0, 0)$. Find the image of each point for the given scale factor.

13. $X(3, 4); 7$

14. $P(-3, 5); 1.2$

