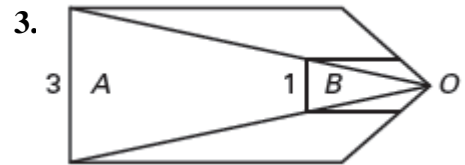
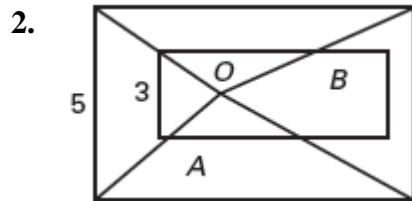
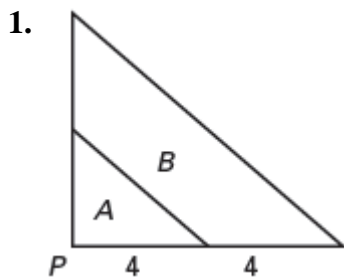
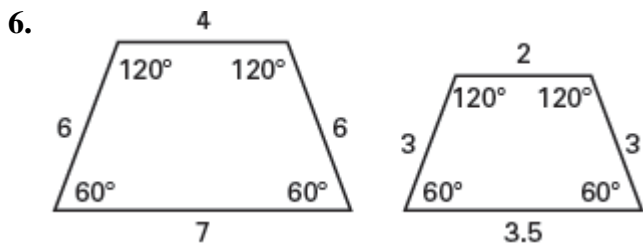
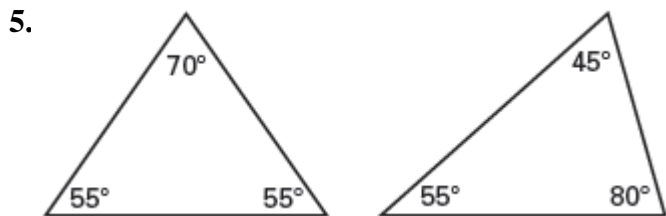
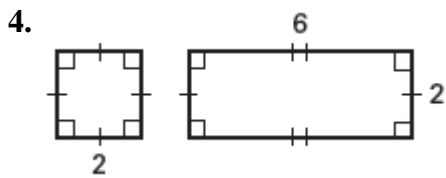


Assignment 51 Lesson 6.2

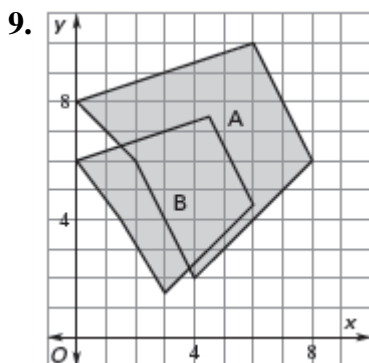
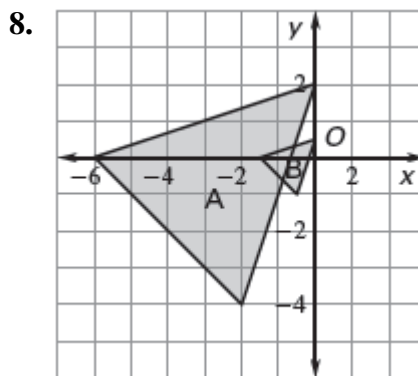
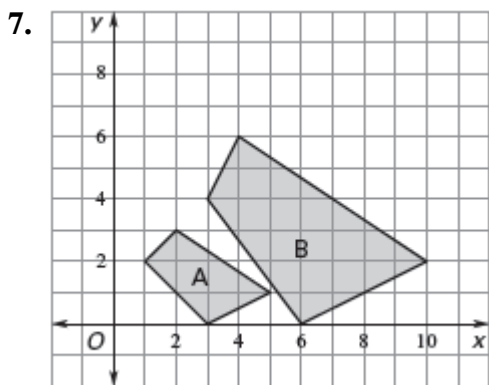
Figure A and figure B are similar. Identify the scale factor of the dilation that moves figure A onto figure B.



Tell whether a dilation can be used to move one of the figures onto the other.



The two figures are similar. Describe the dilation that moves figure A onto figure B.



- 10.** A square has vertices $A(2, 2)$, $B(2, 5)$, $C(5, 5)$, and $D(5, 2)$. What are the coordinates of the square after a dilation from the origin by a scale factor of 1.25?
- 11.** A triangle has vertices $A(0, 0)$, $B(6, 0)$, and $C(4, 0)$. What are the coordinates of the triangle after a dilation from A by a scale factor of $\frac{1}{2}$?
- 12.** Mr. Gomez uses an overhead projector to show his class different shapes. The shapes are on a transparency and are dilated onto a screen. The side length of one square on the transparency is 1 inch. The scale factor is 8. What is the side length of the square that appears on the screen?
- 13.** Katrina has a 2-inch by 3-inch photograph enlarged so that it is 4-inch by 6-inch. The enlargement is a dilation. What is its scale factor?