Name _____   **Date** _____
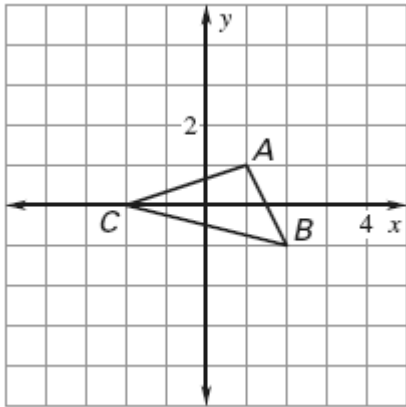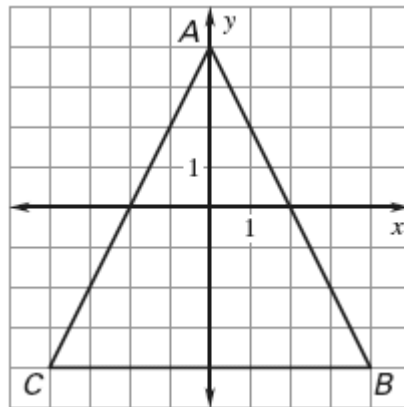
Practice B
For use with pages 408–415

Draw a dilation of the figure using the given scale factor.
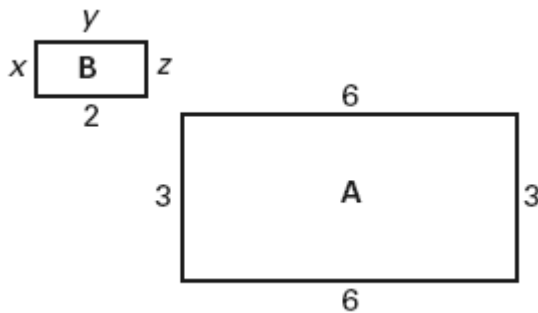
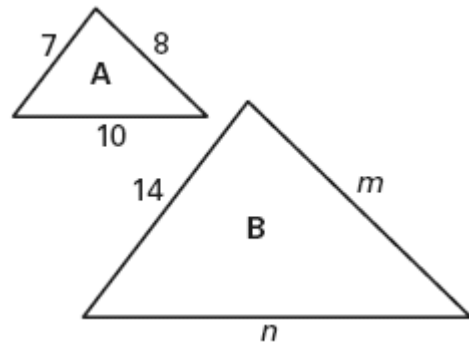1. $k = \dfrac{3}{2}$

2. $k = \dfrac{1}{4}$

Determine whether the dilation from Figure A to Figure B is a *reduction* or an *enlargement*. Then, find the values of the variables.
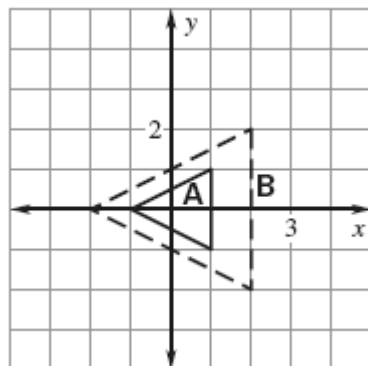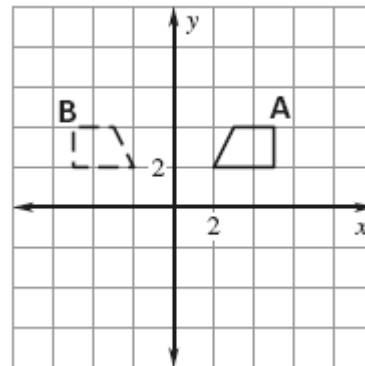
3.

4.

Determine whether the transformation from Figure A to Figure B is a *translation*, *reflection*, *rotation*, or *dilation*.
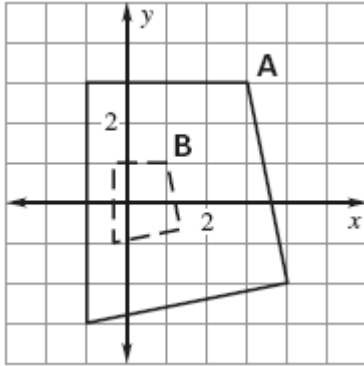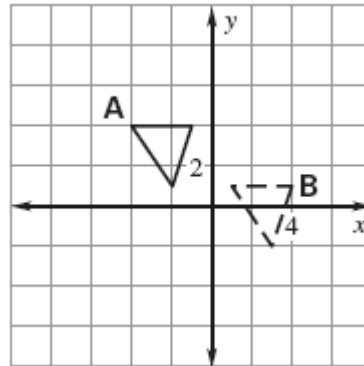
5.

6.

7.

8.

9. **Posters** A poster is enlarged and then the enlargement is reduced as shown in the figure.
   a. What is the scale factor of the enlargement? the reduction?
   b. A second poster is reduced directly from size A to size C. What is the scale factor of the reduction?
   c. How are the scale factors in part (a) related to the scale factor in part (b)?