

# Skill: Similar Figures

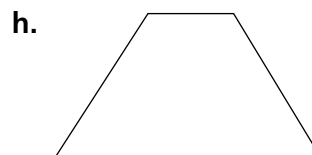
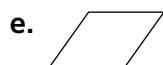
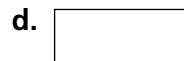
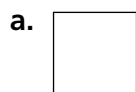
## Investigation 2

### Stretching and Shrinking

Tell whether the triangles are *similar*.

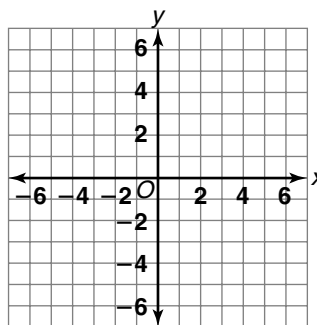
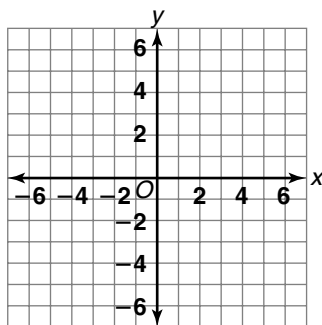


4. List the pairs of figures that appear to be similar.



For Exercises 5 and 6, graph the coordinates of the quadrilateral  $ABCD$ . Find the coordinates of its image  $A'B'C'D'$  with the given scale factor.

5.  $A(2, -2), B(3, 2), C(-3, 2), D(-2, -2)$ ; scale factor 2
6.  $A(6, 3), B(0, 6), C(-6, 2), D(-6, -5)$ ; scale factor  $\frac{1}{2}$



7. Quadrilateral  $A'B'C'D'$  is similar to quadrilateral  $ABCD$ . Find the scale factor.

