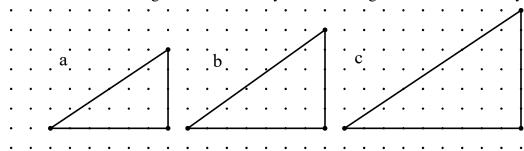
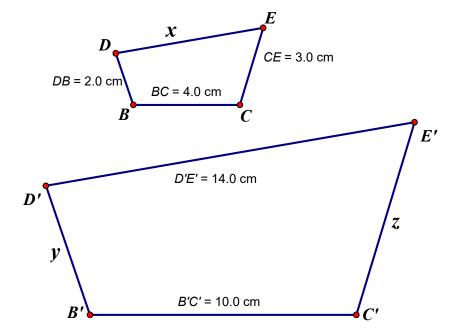
Similar shapes worksheet

1. Are all of these triangle similar? Are any of these triangles similar? Tell how you know:



2. The length of a rectangle is 45 inches and the width is 8 inches. A similar rectangle has a width of 24 inches. What is the perimeter of the second rectangle?

3. These two shapes are similar. Find the missing side lengths.



T
Is it proportional?
What is the area scale factor?
Is it proportional?
What is the area?
What is the area.
a.
b.
0.

Assignment:

Describe a person-shaped (mythical) creature that is either smaller or larger than you are by some scale factor (for example, they could be a giant 3 times as tall or a fairy 1/4 as tall).

- 1. Find two things you can measure about yourself or the things you own, where you can find a length measurement. Explain what your measurements are and how you figured out the corresponding sizes for things that the giant or fairy has.
- 2. Find two things that you can measure about you or your things where you can find an area measurement. Explain what your measurements are and the corresponding sizes for the things the giant or fairy has.
- 3. Find two things that you can measure about you or your things where you can find a volume or weight measurement. Explain what your measurements are the corresponding sizes for things the giant or fairy has.