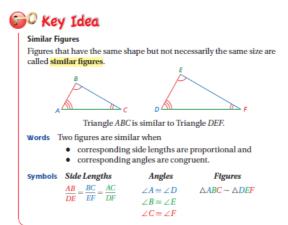
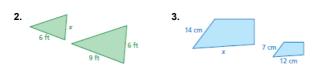
2.5b - Similar Figures



The figures are similar. Find x.



Sketch two figures that look similar. Describe how you would determine whether your figures are actually similar.

An artist draws a replica of a painting that is on the Berlin Wall. The painting includes a red trapezoid. The shorter base of the similar trapezoid in the replica is 3.75 inches. What is the height *h* of the trapezoid in the replica?



Exit Ticket: Find the perimeter and area of a rectangle with dimensions 3 inches by 4 inches. If you double the dimensions, what will be the new perimeter and area?

Complete the following exercises.

- 1. How does quadrupling the side lengths of a triangle affect its perimeter?
- 2. How does doubling the base of a triangle affect its area?