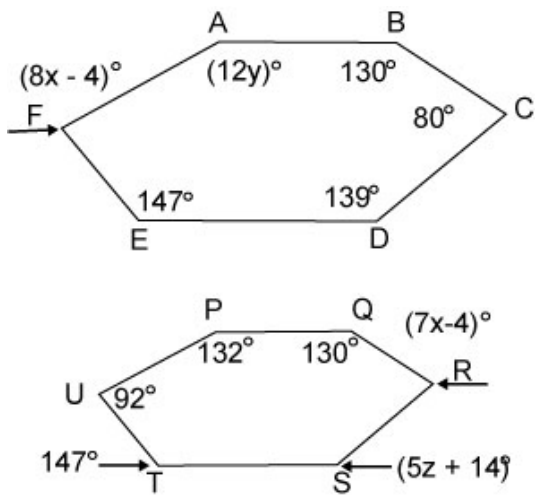


Geometry
Unit: Similarity
Section: Similar Polygons

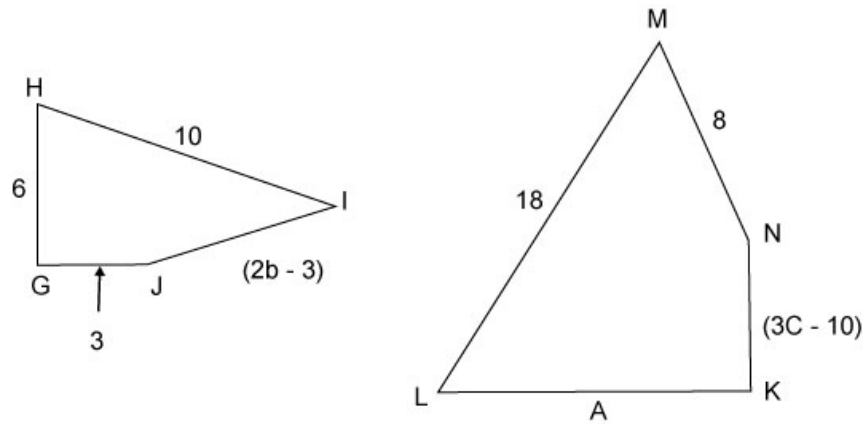
Review Worksheet

1) Polygon ABCDEF is similar to polygon PQRSTU. Find the values of x , y , and z .



2) Quadrilateral GHIJ is similar to quadrilateral KLMN. Find the values of a, b, and c.

◦



3) The ratio of the side lengths of polygon A to polygon B is 5 to 3. If the perimeter of polygon A is 86 inches, what is the perimeter of polygon B (also in inches)?

4) The ratio of the sides of polygon X to polygon Y is 2 to 7. If the area of polygon Y is 1000 (square feet), what is the area of polygon X (also in square feet)?

5) You are making a map of your school for a project for your Geography class. The hallways in your school are 12 feet wide. On your map, you make them 1 inch wide. The gym is 200 feet wide and 300 feet long. What should the dimensions be to keep the ratio consistent with the hallway?