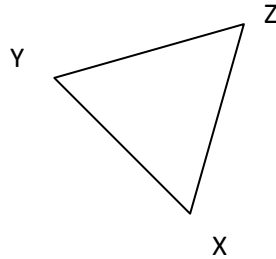
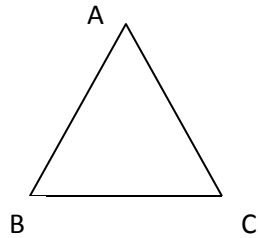


Algebra 2
Unit: Geometry
Section: Geometry of Triangles

Review Worksheet

1) Triangle ABC is congruent to triangle XYZ.

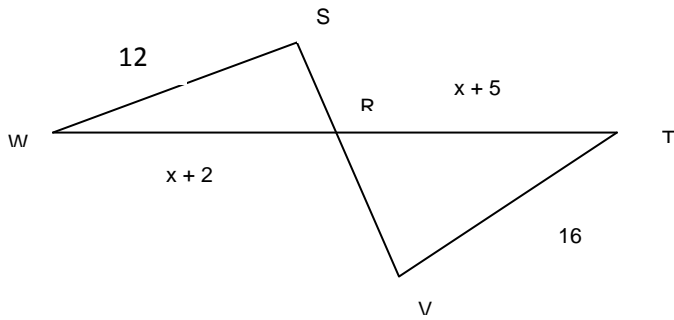


a. The measure of angle B is 42 degrees and the measure of angle C is 39 degrees. The measure of angle Y is $5a + 10$ degrees. Find the value of a .

b. The measure of angle C is $10b + 12$ degrees. The measure of angle X is 22 degrees and the measure of angle Y is 48 degrees. Find the value of b .

c. Side AC equals $3c - 40$. Side XY equals 100 and side XZ equals 102. Find the value of c .

2. Triangles WSR and TVR are similar.



a. Find the value of x .

b. Angle S measures 88 degrees. Angle SRW measures 48 degrees. Angle T measure $2b + 6$ degrees. Find the value of b .