Exploring Triangle Similarity

Angle-Angle Similarity?

1. Draw ∆ABC with and
2. Measure all sides in cm
3. Find

Side-Side Similarity?

1. Pick an integer between 5 and 10. This is your *x.*
2. Draw ∆PQR such that and
3. What is the ratio =

Compare your ∆ with your neighbors.
Are they similar?

Side-Angle-Side Similarity?

1. Draw such that
2. Draw
3. Mark point *C* on the new side of this angle such that
4. Measure all angles.
Are the triangles similar?

Side-Side-Side Similarity?

1. Draw a triangle *ABC*
2. Measure each of its angles.
3. Now draw triangle *DEF* such that each if the sides are two times longer than the corresponding sides of *ABC.*
4. Measure each of its angles.
Are the triangles Similar