

Triangle Congruence Exploration

Stds: G.T.1, 2,3 and G.PL.5

Process: 1,3

Triangle ABC has vertices A (-3,-5), B (-1,-1), and C (-1,-5). Triangle XYZ has vertices X (5, -5), Y (3, -1), Z (3, -5)

- a) Graph both triangles on the same coordinate plane.
- b) Measure each segment and angle of each triangle.
- c) Use your graph to make a conjecture as to whether the triangles are congruent. Explain your reasoning.