

Intersections of 2-D Figures *in a Plane*: An Investigation

Name: _____



Intersection makes me think of...

Sketch a representation of...

A point

A line

A plane



Using your Wikki Stix® to represent lines, model how two lines can be positioned in a plane.
Sketch your models below....

Two lines in a plane

Study your models/sketches carefully. Discuss with a partner the intersection(s) you see in your models. Write about them below.

INTERSECTION(S):



With your partner, use your Wikki Stix® to model each of the shapes listed in the table below. Use the dot labels to mark points of intersection, if needed. Sketch the intersection of each of the shapes in the cell that corresponds to that particular intersection.

Intersections of 2-D Figures	Circle	Hexagon	Trapezoid
Triangle			
Quadrilateral			
Pentagon			

Describe the intersection(s) you found above. Are there more than one possibility for any of the intersection(s)?

