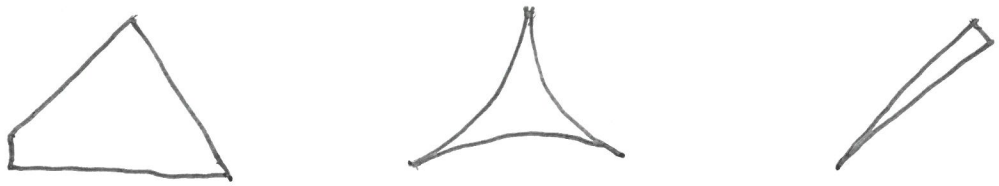

Parallelograms

Straight Line : every pt has 180° angle.

Properties (in-class brainstorm)

Shortest distance/path between 2 pts.

No concavity

it doesn't touch itself

If it is an x-y graph then...

its slope is consistent everywhere

Prior concepts

Transformation (Plane function) properties

Rotations

Fixed point: one point in the plane ~~stays~~ are in the same place before → after

Reflections

Fixed points: all of the points on the reflection line ~~stay~~ are in the same place (before & after)

A shape measurements (distances and angles) ~~stay~~ are the same before and after the transformation

~~A~~ A point and its rotation are the same distance from the center point of rotation

Any reflection can be accomplished by a 180° rotation* and reflection across a perpendicular line*

~~It~~ if you pick the right point and line

There is an inverse function to get back to the identity (start.)

* Choose a point on the line to be the rotation point, and the perpendicular line should go through that point