

Name: *Magical Graph Paper* for Congruence Necromancer (Common Core 8.G.A.2 + 8.G.A.4 + 8.G.B.6)

The page is divided into several sections:

- Top Left:** A diagram showing a purple quadrilateral with vertices A, B, C, I and a red quadrilateral with vertices A, B, C, E. A dashed purple line and a dotted purple line also connect these points.
- Top Right:** A green triangle with vertices A, B, D and another green triangle with vertices F, B, C.
- Middle Left:** An orange rectangle with vertices G, A, B, F and another orange rectangle with vertices B, D, J.
- Middle Right:** A blue pentagon with vertices G, H, I, C, D and another blue pentagon with vertices F, A, H, I, E. A vertical line segment connects D and J.
- Bottom Left:** A grid illustrating reflection with the symbol π and a downward arrow.
- Bottom Middle-Left:** A grid illustrating rotation with the symbol π and arrows showing a 180-degree turn.
- Bottom Middle-Right:** A grid illustrating translation with the symbol π and a rightward arrow.
- Bottom Right:** A grid illustrating dilation with the symbol π and a larger shape.

Labels at the bottom of the grid sections are **congruent** and **similar**.

On the right side of the page, there is a vertical decorative column with a Greek key pattern and a large collection of black-outlined triangles of various sizes and orientations scattered across the grid.

At the bottom right, the text reads: *a mathematician's notebook beta*
PLATOAR

This is a page of *magical graph paper* from the iOS/Android app *PlatoAR: A Mathematician's Notebook*. Load up the current module and point your device here to operate with magic!

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