

# What am I?

Topic: Points, Lines, Planes, Rays, Line Segments

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Material: TI-84, TI-Navigator

Procedure:

- 1- Teacher begins by going over definitions and drawings of points, lines, planes, rays and line segments
- 2- In Activity Center, teacher plots  $y=x$
- 3- Students are encouraged to plot 2 points: 1 on the line and one off the line
- 4- Invite students to come up to the Screen, 1 at a time, and point out a ray, line, and a point based on class data
- 5- Launch what\_am\_I.edc and send to each of the student's calculators
- 6- After students have completed activity, collect data and remember to delete file from calculator
- 7- Use built-in Slide Show feature and go over answers to the What am I questions

Follow-up

- 1- In the student's TI-84s allow student's to graph equations and do a screen capture.
- 2- As a class, encourage students to view screen capture images on the screen and have students explain why each screen image could be seen as a different plane. Identify where planes would intersect and what happens at those intersections.