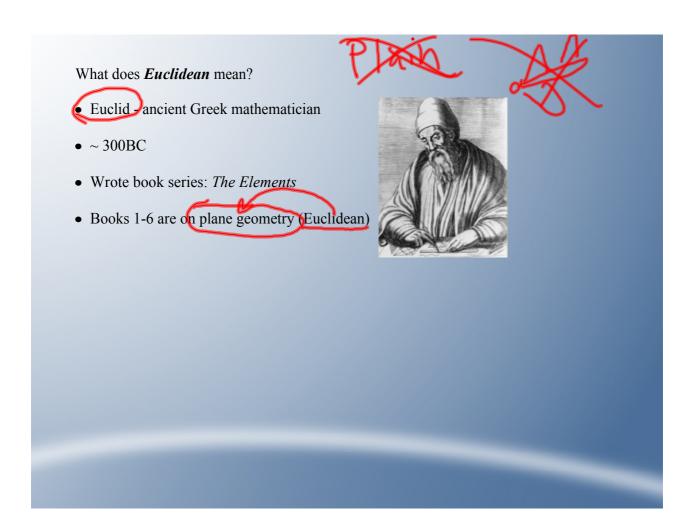
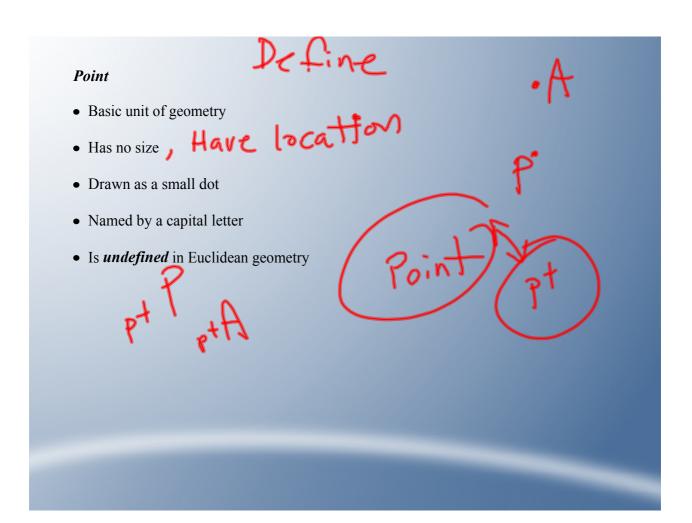




- Points
- Lines
- Planes

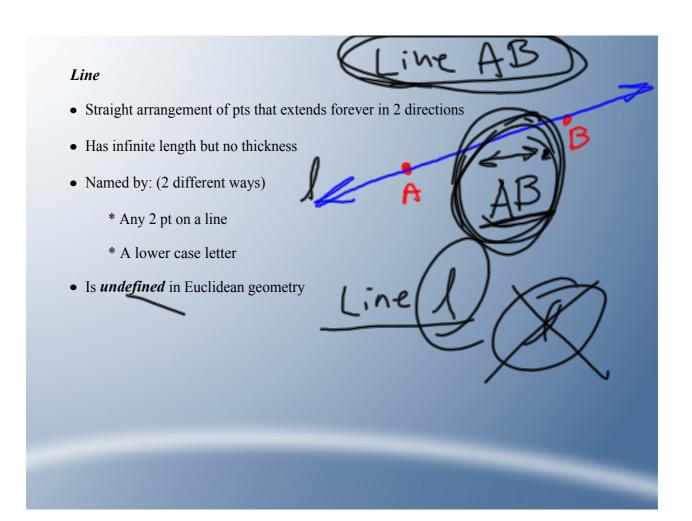


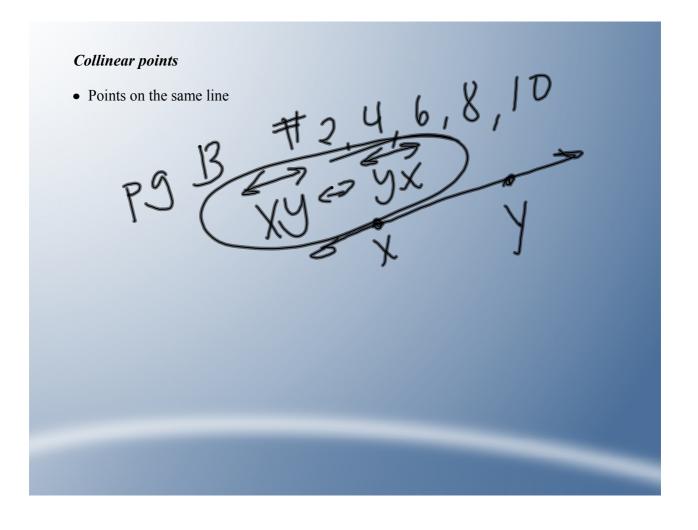


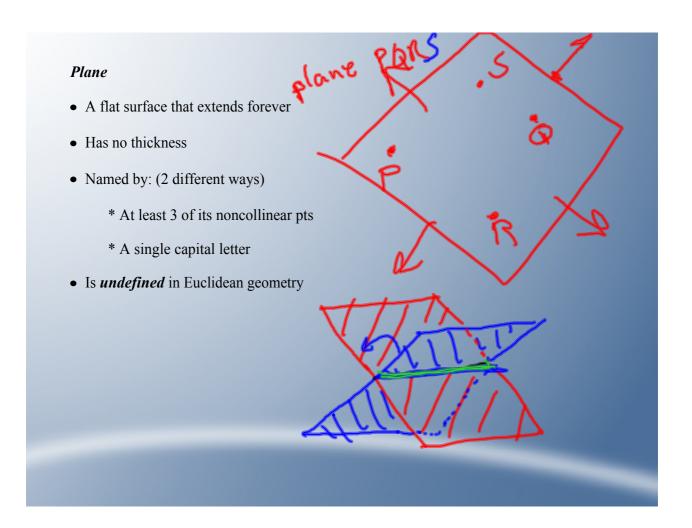


Space

• The collection of *all* points







Coplanar

• Objects (lines, points, geometric shapes, etc) that line in the same plane

Axiom/Postulate > conjecture

• An accepted statement of fact

• Also known as a postulate

The area

79 73 2.

Consider 2 points ... any 2 ...

- What statements can you make?
- What conclusions can you draw?
- ...use our point/line/plane terminology...
- How do they relate to the other types of figures?

Consider 2 lines... any 2 ...

- What statements can you make?
- What conclusions can you draw?
- ...use our point/line/plane terminology...
- How do they relate to the other types of figures?

Consider 2 planes... any 2 ...

• What statements can you make?

• What conclusions can you draw?

• ...use our point/line/plane terminology...

• How do they relate to the other types of figures?

Post 13

Post 1-2

Consider 3 noncollinear points ... any 3 ...

POST 1-4

- What statements can you make?
- What conclusions can you draw?
- ...use our point/line/plane terminology...
- How do they relate to the other types of figures?

Postulate 1-1

• Through any two points there is exactly one line.

Postulate 1-2

• If two lines intersect, then they intersect in exactly one point.

Postulate 1-3

• If two planes intersect, then they intersect in exactly one line.

Postulate 1-4

• Through any three noncollinear points there is exactly one plane.

Post 1-1