

1.1

POINTS, LINES, AND PLANES

Groupwork

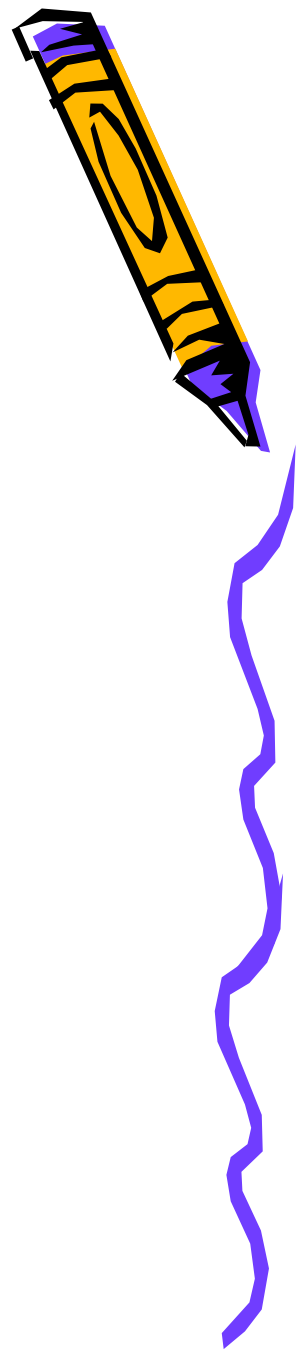


Within your partner try
to define the following:

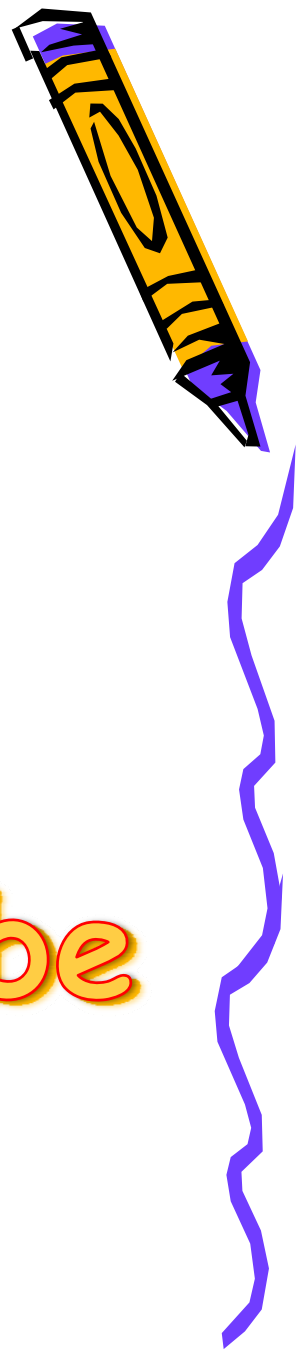
- Point -

• Line -

• Plane -

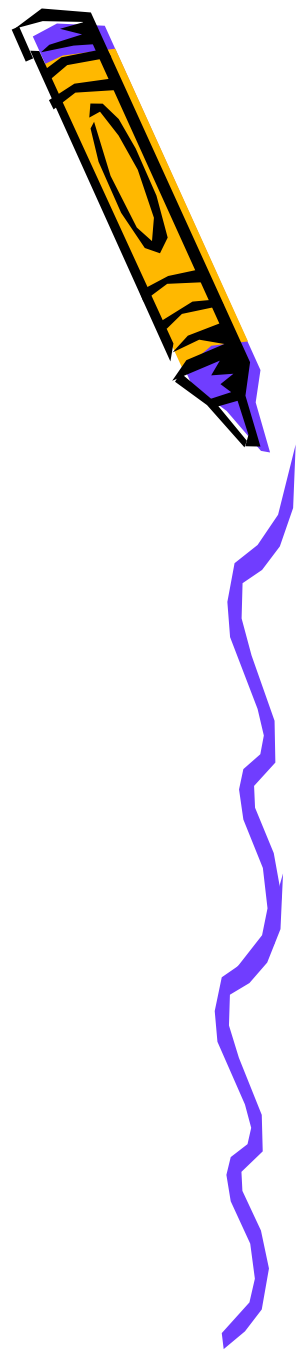


What is a definition?



What do you call
something that can't be
defined?

Undefined terms

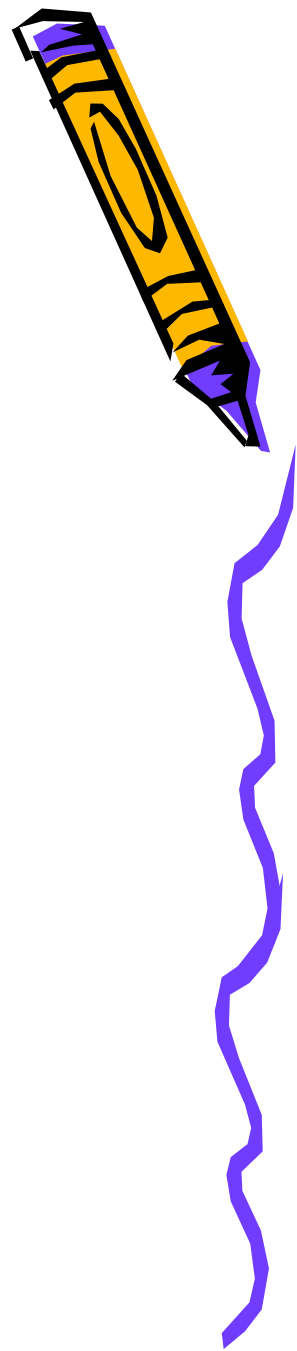


"DEFINITIONS"

Point -

Line -

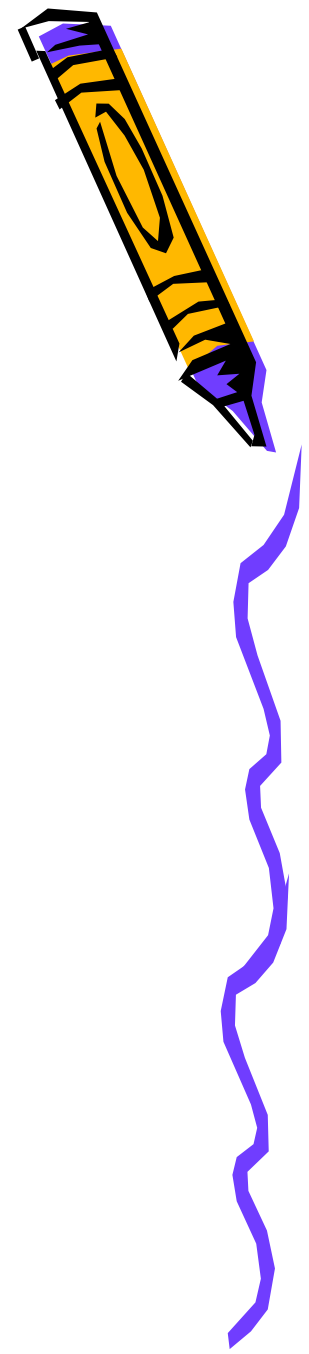
Plane -



NOTES



A



Postulates

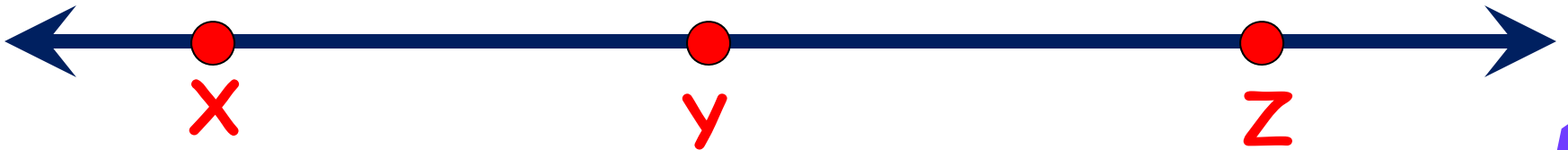
Postulate 1

Through any _____ points
there is exactly _____.

Postulate 2

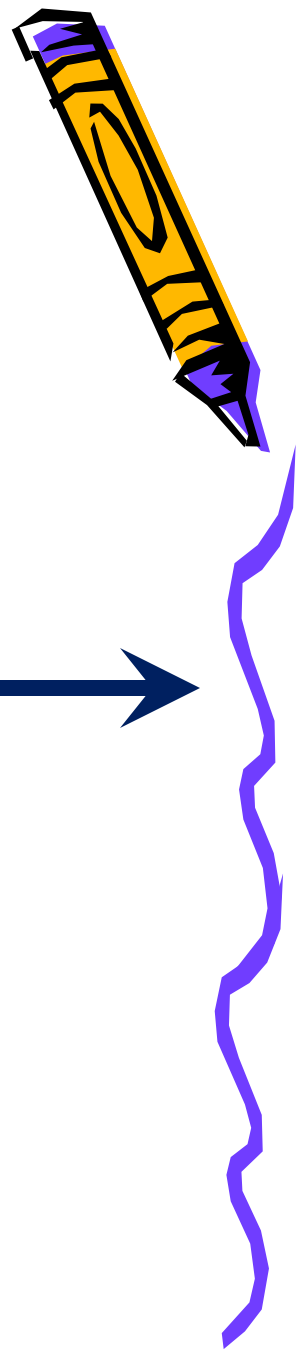
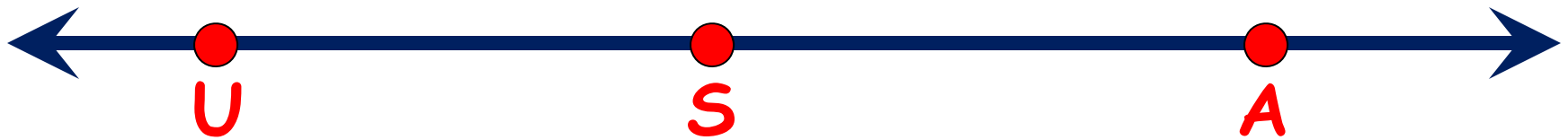
If two _____ lines
_____, then they _____
at exactly _____ .

Naming Lines and Line Segments

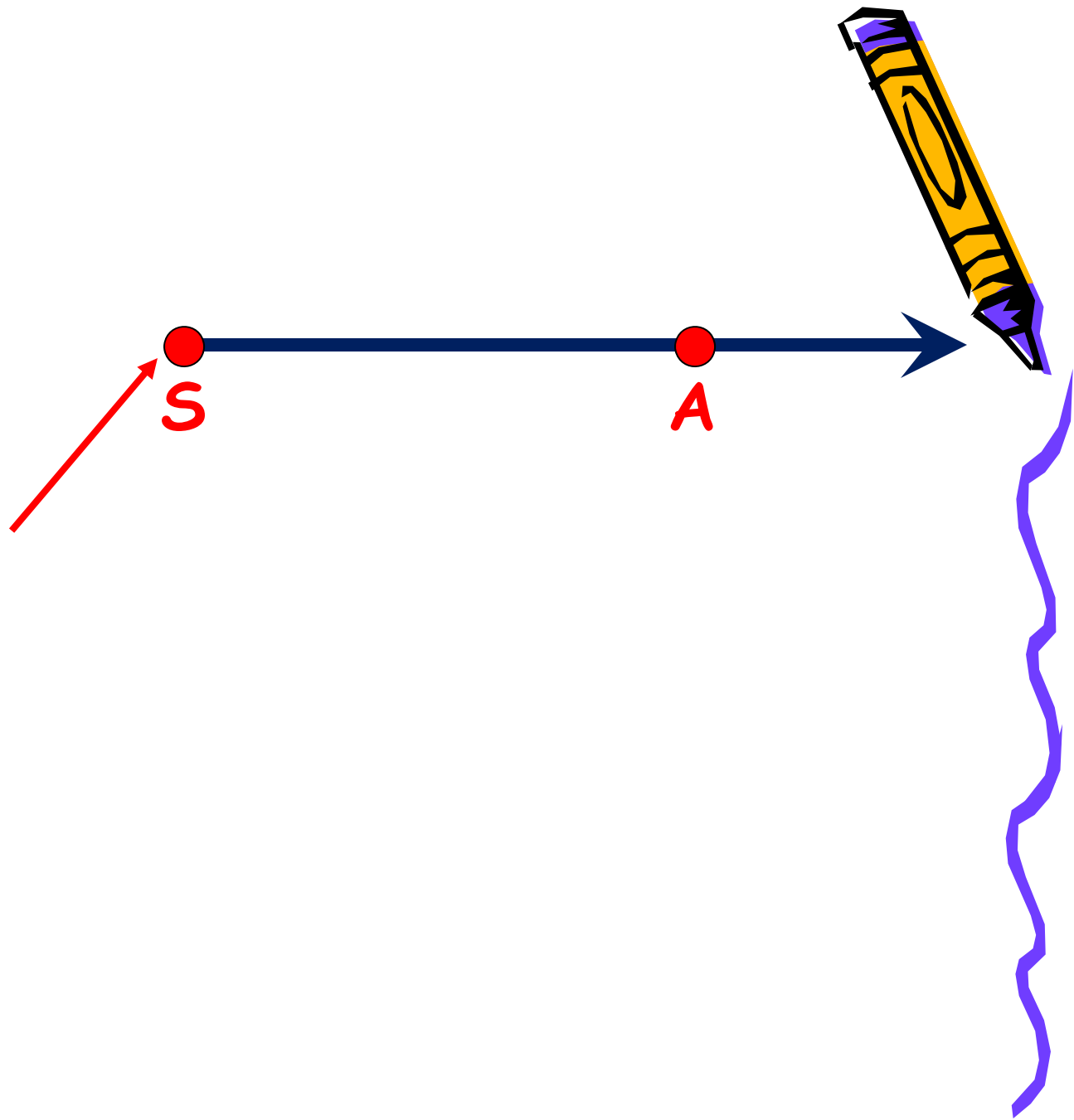


To name a line segment, it is very similar.

Just Pick 2 points.



Rays



Rays

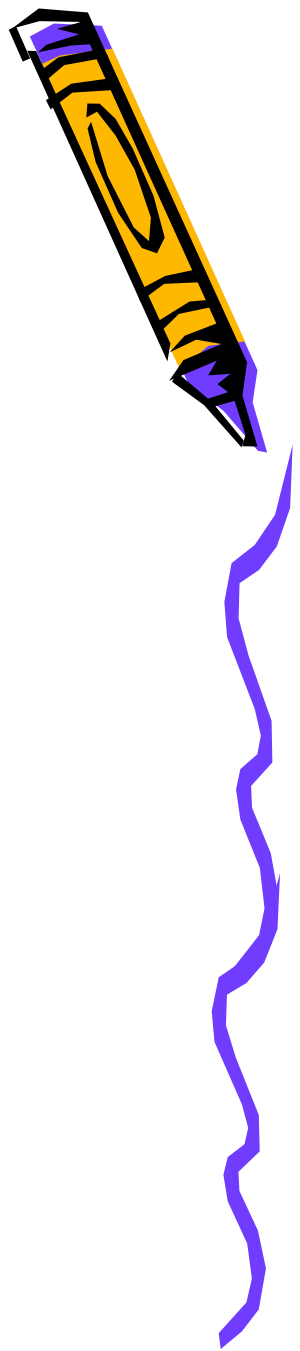
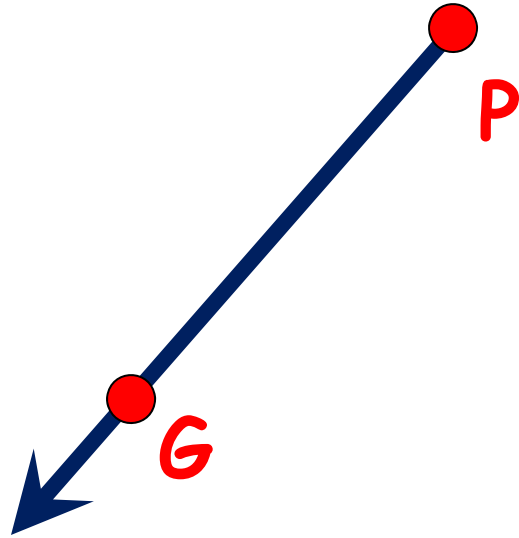


The arrow on top
always points to the

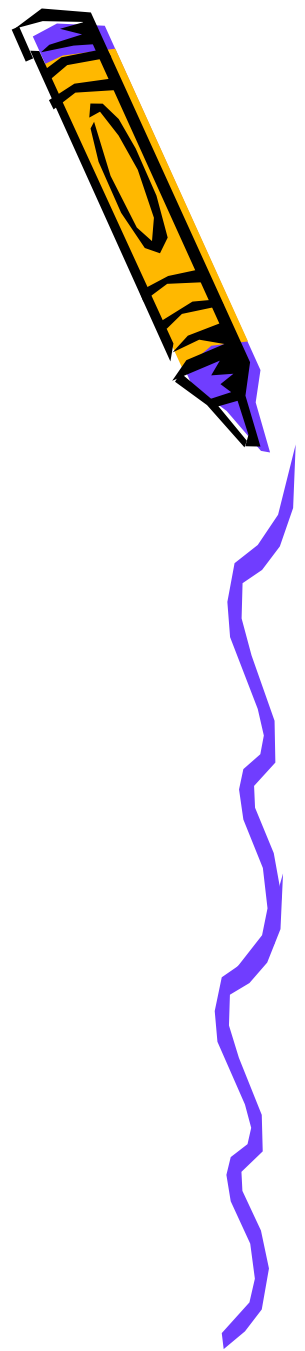
When you name a ray, you _____

start with the endpoint on the _____!

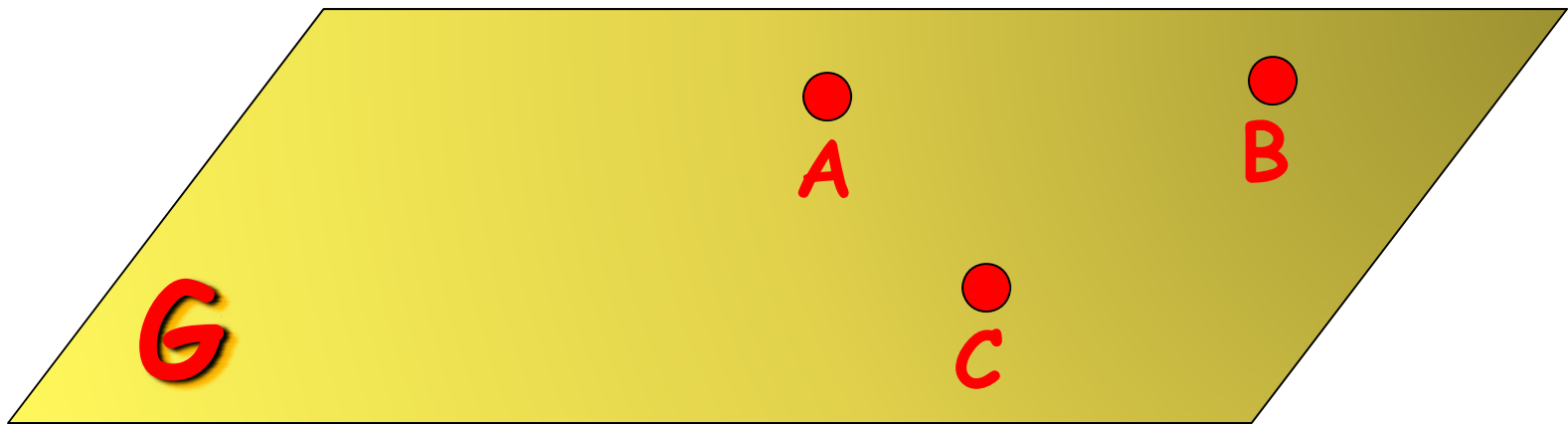




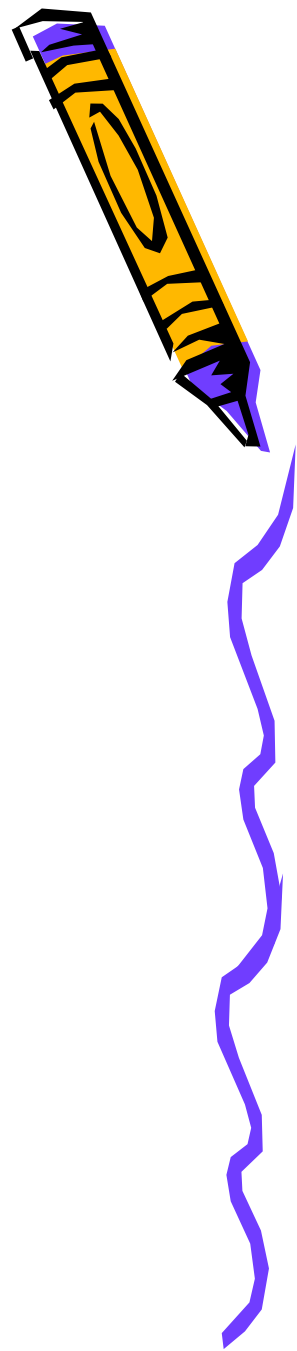
Different Direction Different Name



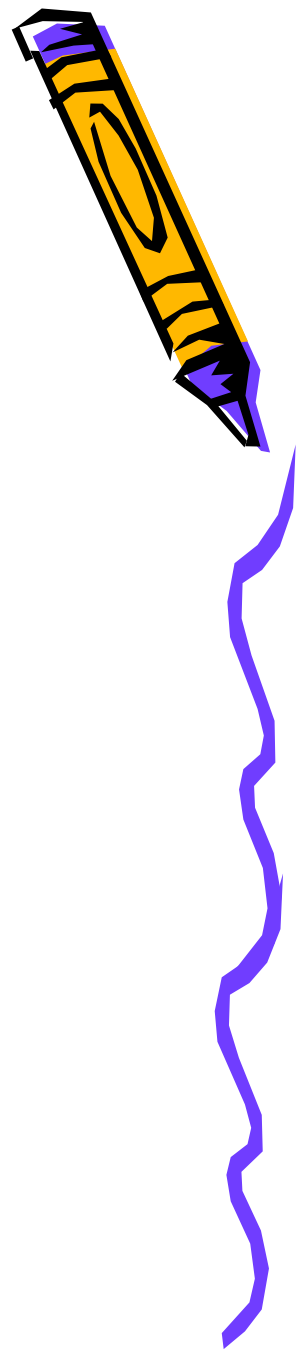
Naming a Plane



Drawing intersecting planes



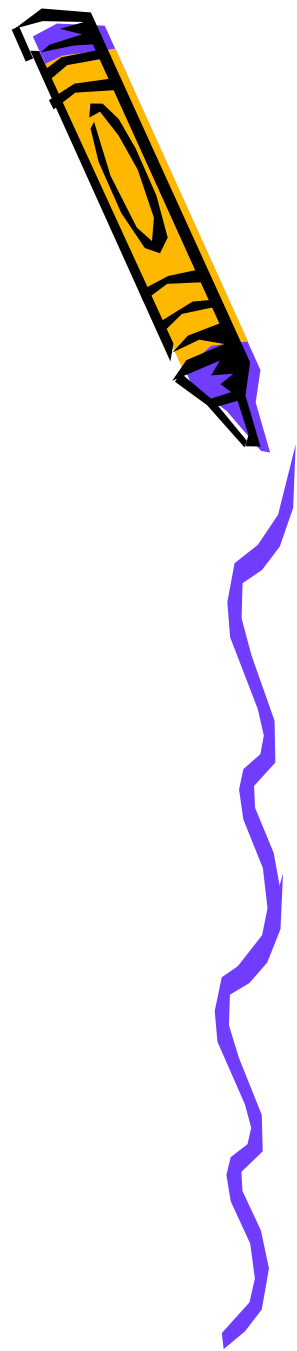
Drawing intersecting planes



Postulate 3

If two _____ planes
_____, then they _____
at exactly _____ .

DEFINITIONS



Collinear –

Coplanar –

DEFINITIONS

Space –

Intersection –

