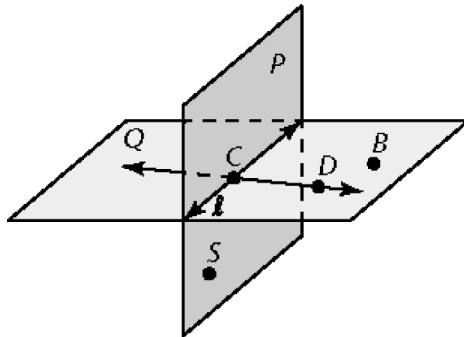


Postulates - Points, Lines, and Planes

Use the diagram to write an example of the postulate.



_____ 1. Two Point Postulate

- Plane Q contains at least three noncollinear points, B , C , and D .
- Plane P and plane Q intersect at line ℓ .
- Point C and point D lie in plane Q . So, \overleftrightarrow{CD} lies in plane Q .
- Line ℓ and \overleftrightarrow{CD} intersect at point C .
- \overleftrightarrow{CD} passes through points C and D .

_____ 2. Line Intersection Postulate

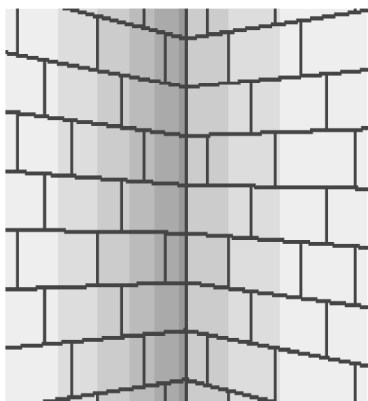
- Plane P and plane Q intersect at line ℓ .
- Line ℓ and \overleftrightarrow{CD} intersect at point C .
- Point C and point D lie in plane Q . So, \overleftrightarrow{CD} lies in plane Q .
- \overleftrightarrow{CD} passes through points C and D .
- Plane Q contains at least three noncollinear points, B , C , and D .

_____ 3. Plane-Line Postulate

- Plane Q contains at least three noncollinear points, B , C , and D .
- Point C and point D lie in plane Q . So, \overleftrightarrow{CD} lies in plane Q .
- Line ℓ and \overleftrightarrow{CD} intersect at point C .
- \overleftrightarrow{CD} passes through points C and D .
- Plane P and plane Q intersect at line ℓ .

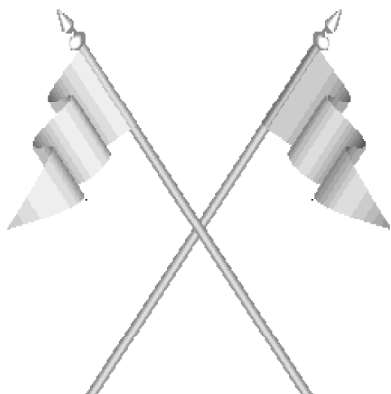
Which postulate is suggested by the diagram?

____ 4.



- a. Line Intersection Postulate
- b. Three Point Postulate
- c. Two Point Postulate
- d. Plane Intersection Postulate

____ 5.



- a. Three Point Postulate
- b. Two Point Postulate
- c. Plane Intersection Postulate
- d. Line Intersection Postulate

____ 6.

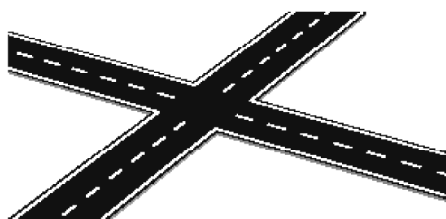


- a. Three Point Postulate
- b. Plane Intersection Postulate
- c. Two Point Postulate
- d. Line Intersection Postulate

Name: _____

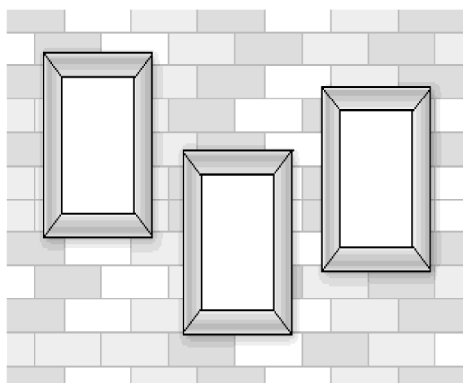
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_____ 7.



- a. Three Point Postulate
- b. Two Point Postulate
- c. Line Intersection Postulate
- d. Plane Intersection Postulate

_____ 8.



- a. Plane Intersection Postulate
- b. Two Point Postulate
- c. Line Intersection Postulate
- d. Three Point Postulate

Postulates - Points, Lines, and Planes
Answer Section

1. E
2. B
3. B
4. D
5. D
6. C
7. C
8. D

