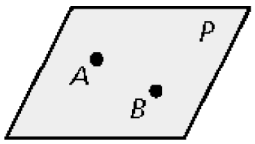
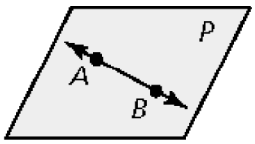
Name: _____ Class: _____ Date: _____ ID: A

Postulates - Points, Lines, and Planes

State the postulate illustrated by the diagram.

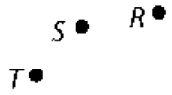
____ 1.

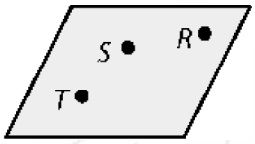
If 

then 

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

____ 2.

If 

then 

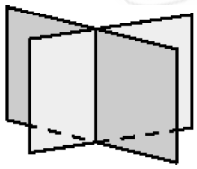
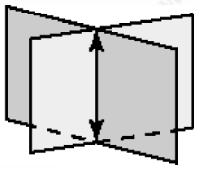
a. Three Point Postulate
b. Plane Intersection Postulate
c. Two-Point Postulate
d. Plane-Point Postulate

____ 3.

If
then 

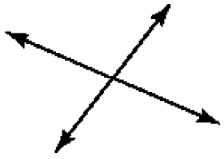
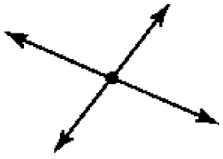
a. Three Point Postulate
b. Line Intersection Postulate
c. Line-Point Postulate
d. Two Point Postulate

____ 4.

If 
then 

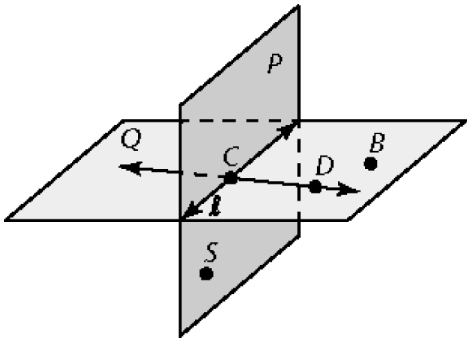
a. Plane Intersection Postulate
b. Plane-Line Postulate
c. Line Intersection Postulate
d. Plane-Point Postulate

____ 5.

If 
then 

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

Use the diagram to write an example of the postulate.



____ 6. Plane Intersection Postulate

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

____ 7. Plane-Point Postulate

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

Postulates - Points, Lines, and Planes
Answer Section

1. D
2. A
3. C
4. A
5. C
6. A
7. E