Points, Lines and Planes

A) Does each given set of points represent a plane? Check the appropriate box.

1)

☐ Yes ☐ No

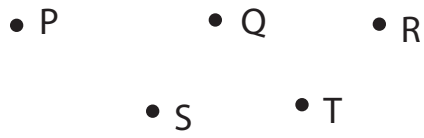
2)

☐ Yes ☐ No

3)

☐ Yes ☐ No

4)



☐ Yes ☐ No

B) Write true or false.

1) If two points lie on a plane, then the line joining them also lies on the same plane. _____

2) A plane contains at least two non-collinear points. _____

3) The intersection of two planes is a point. _____

4) When two lines intersect, then both the lines lie on the same plane. _____

Points, Lines and Planes

Answer key

A) Does each given set of points represent a plane? Check the appropriate box.

1)

☑ Yes ☐ No

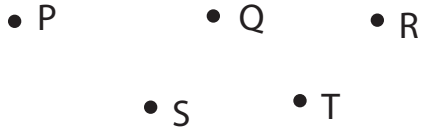
2)

☐ Yes ☑ No

3)

☐ Yes ☑ No

4)



☑ Yes ☐ No

B) Write true or false.

1) If two points lie on a plane, then the line joining them also lies on the same plane. **True**

2) A plane contains at least two non-collinear points. **False**

3) The intersection of two planes is a point. **False**

4) When two lines intersect, then both the lines lie on the same plane. **True**