

# Points, Lines and Planes 1.1



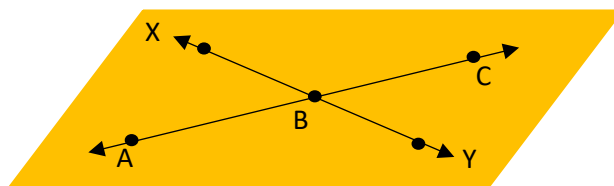
## *Overview of Problems*

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### *Example Set: A*

**Determine if the statement is true or false:**



1. Are A, B, and C collinear?
2. Y, C coplanar?
3. C, B, X are collinear?
4. X,A are coplanar?
5. The plane has 4 edges?
6. A line can only be in one plane?

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## Overview of Problems

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### Example Set: B

Match the figures to the definitions:

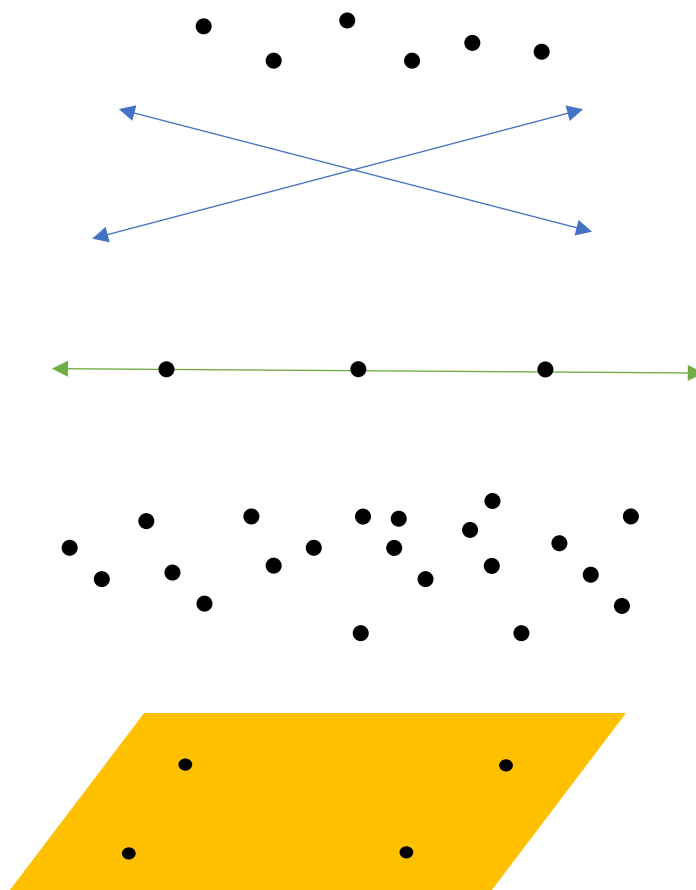
Space

Collinear

Coplanar

Noncollinear

Intersection



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## *Overview of Problems*

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### *Example Set: C*

***Write using the proper notation and symbols:***

1. A line that passes through points C,D.
2. The point F
3. Plane Y
4. The intersection (at point O) of lines  $m$  and  $l$ .

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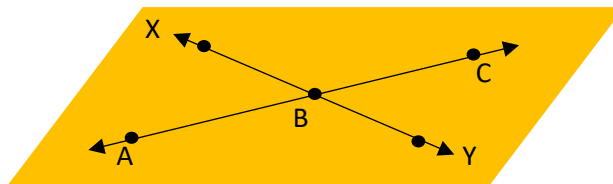
## Overview of Problems

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### Example Set: A -**ANSWER KEY**

Determine if the statement is true or false:



1. Are A, B, and C collinear? **true**
2. Y, C coplanar? **true**
3. C, B, X are collinear? **false**
4. X, A are coplanar? **true**
5. The plane has 4 edges? **false**
6. A line can only be in one plane? **false**

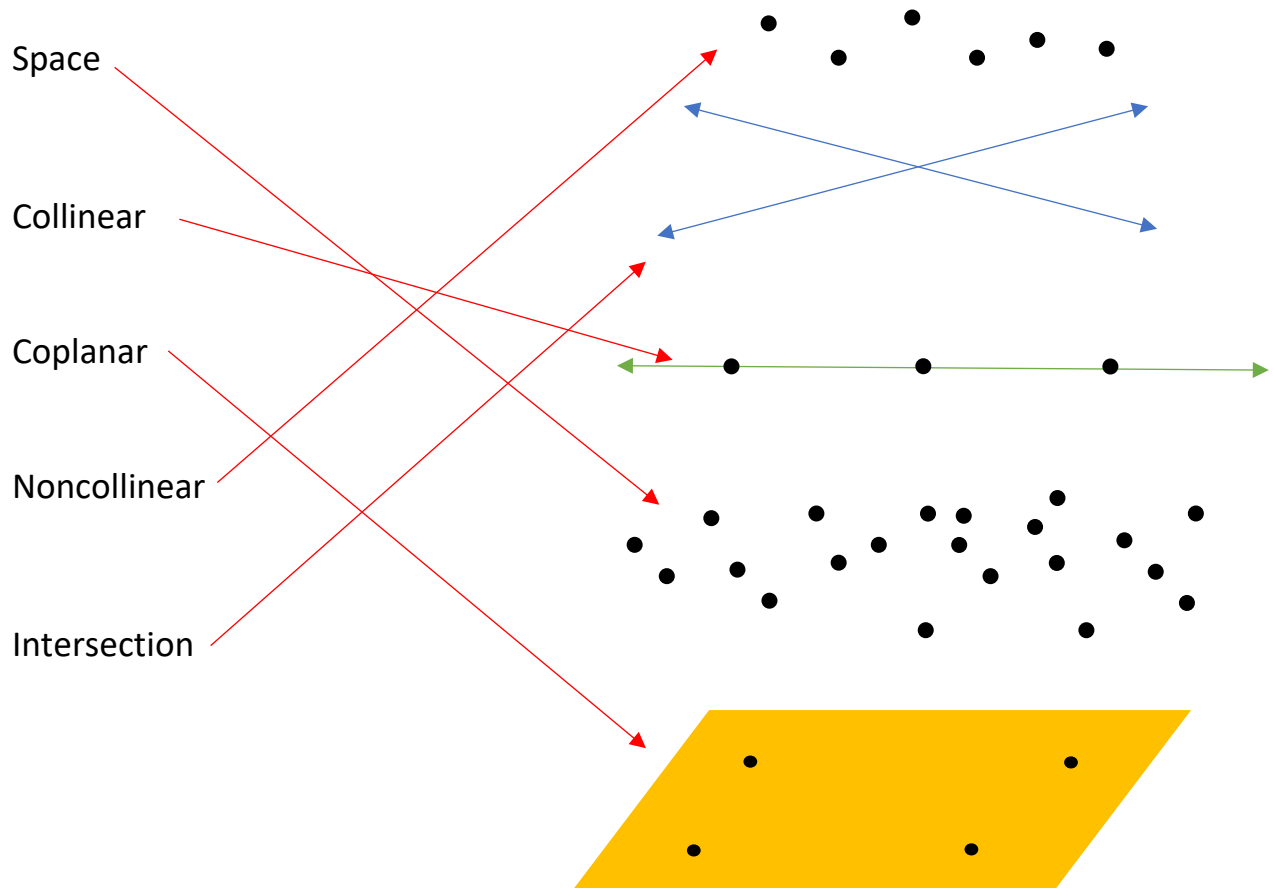
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## Overview of Problems

### Example Set: B- **ANSWER KEY**

Match the figures to the definitions:



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## Overview of Problems

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### Example Set: C-ANSWER KEY

Write using the proper notation and symbols:

1. A line that passes through points C,D. 

2. The point F 

3. Plane Y 

4. The intersection (at point O) of lines  $m$  and  $l$ .

