

# Points, Lines, and Planes

Here are some important geometric terms.

$X$   
•

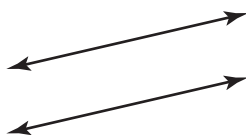
$A$   $B$   
← ————— →

## Point

A point is an exact location in space.  
This is point  $X$ .

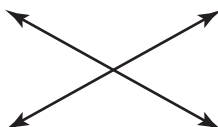
## Line

A line is a straight path of points that goes on and on in both directions.  
This is line  $AB$ .



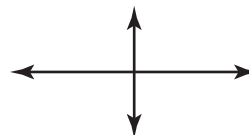
## Parallel lines

Parallel lines never intersect.



## Intersecting lines

Intersecting lines pass through the same point.

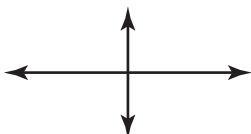


## Perpendicular lines

Perpendicular lines form right angles.

Use geometric terms to describe what is shown. Be as specific as possible.

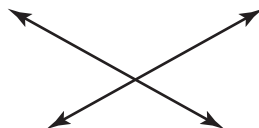
1.



\_\_\_\_\_

\_\_\_\_\_

2.



\_\_\_\_\_

\_\_\_\_\_

3.



\_\_\_\_\_

\_\_\_\_\_

4. Name three different lines.

\_\_\_\_\_

5. Name a set of parallel lines.

\_\_\_\_\_

