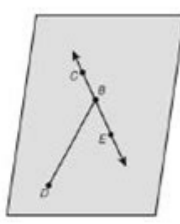


I'm not robot!

Lesson Practice B
1.5.1 Understanding Points, Lines, and Planes

Use the figure for Exercises 1-7.

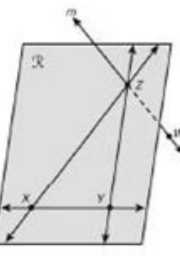
1. Name a plane.
2. Name a segment.
3. Name a line.
4. Name three collinear points.
5. Name three noncollinear points.



6. Name the intersection of a line and a segment not on the line.
 7. Name a pair of opposite rays.

Use the figure for Exercises 8-11.

8. Name the points that determine plane P .
9. Name the point at which line m intersects plane P .
10. Name two lines in plane P that intersect line m .
11. Name a line in plane P that does not intersect line m .



Draw your answers in the space provided.
 Michelle Kwan won a bronze medal in figure skating at the 2002 Salt Lake City Winter Olympic Games.
 12. Michelle skates straight ahead from point L and stops at point M. Draw her path.
 13. Michelle skates straight ahead from point L and continues through point M. Name a figure that represents her path. Draw her path.
 14. Michelle and her friend Alesia start back to back at point L and skate in opposite directions. Michelle skates through point M and Alesia skates through point K. Draw their paths.

1.1 Points, Lines, Planes, and Angles

Undefined Terms		
<p>A point has no dimension (no length or width).</p>	<p>A line has one dimension (length) and extends without end in two directions.</p>	<p>A plane has two dimensions (length and width) and extends without end (no edges).</p>

Through any two points, there is exactly one line. You can use any two points on a line to name it.
 Through any three points not on the same line, there is exactly one plane. You can use three points that are not all on the same line to name a plane.

Definitions
Collinear points are points that lie on the same line.
Coplanar points are points that lie on the same plane.

Example

Name three collinear points.
 Name four coplanar points.
 Name three noncollinear points.
 Which point is between D and F?
 Name a point that is not between D and F.
 Are collinear points also coplanar?
 Are coplanar points also collinear?

Lines, Rays or Line segments Sheet 1

Example

<p>A Line</p> <p>\overleftrightarrow{AB} or \overleftrightarrow{BA}</p>	<p>A Ray</p> <p>\overrightarrow{PQ}</p>	<p>A Line segment</p> <p>\overline{XY} or \overline{YX}</p>
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Part A

Name each line, ray or line segment.

- 1.
- 2.
- 3.
- 4.
- 5.
- 6.

Part B

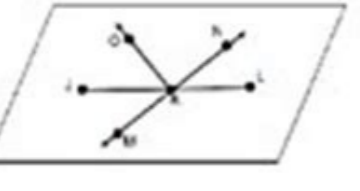
Draw and label each of the following.

1. \overleftrightarrow{MN}
2. \overrightarrow{PQ}
3. \overline{RS}

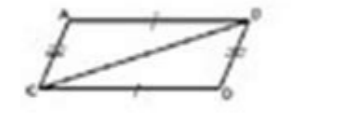
Geometry Review Worksheet
 Points, Lines, Planes, Angles

Identify the figures in the diagram. Use correct notation!

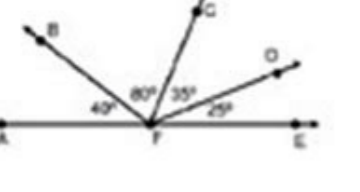
1. three points _____
2. one line _____
3. three rays _____
4. three line segments _____
5. name the plane _____



6. Identify the line segments that are congruent.



- Give the measure of each angle.
7. $\angle AFB$ _____
 8. $\angle DFE$ _____
 9. $\angle AFC$ _____
 10. $\angle AFE$ _____
 11. $\angle AFD$ _____
 12. $\angle DFE$ _____



- Tell whether each angle is acute, right, obtuse, or straight.
- 13.
 - 14.
 - 15.

