

### Lesson 1.1 Practice Exercises

Refer to the figure to answer the following questions.	
<ol style="list-style-type: none"> <li>1. Name the lines that are only in plane <math>Q</math>.</li> <li>2. How many planes are labeled in the figure?</li> <li>3. Name the plane containing the lines <math>m</math> and <math>t</math>.</li> <li>4. Name the intersection of lines <math>m</math> and <math>t</math>.</li> <li>5. Name a point that is not coplanar with the points <math>A</math>, <math>B</math>, and <math>C</math>.</li> <li>6. Are points <math>F</math>, <math>M</math>, <math>G</math>, and <math>P</math> coplanar? Explain.</li> <li>7. Name the points not contained in a line shown.</li> <li>8. What is another name for line <math>t</math>?</li> <li>9. Does line <math>n</math> intersect line <math>q</math>? Explain.</li> </ol>	

Name the geometric term(s) modeled by each object.	
<p>10.</p>	<p>11.</p>
<p>12.</p>	<p>13.</p>

Draw and label a figure for each relationship.	
<p>14. Line <math>m</math> intersects plane <math>R</math> at a single point.</p>	<p>15. Points <math>X</math> and <math>Y</math> lie on <math>\overleftrightarrow{CD}</math>.</p>
<p>16. Three lines intersect at a point <math>J</math> but do not all lie in the same plane.</p>	<p>17. Lines <math>\overleftrightarrow{LM}</math> and <math>\overleftrightarrow{NP}</math> are coplanar but do not intersect.</p>
<p>18. Two planes do not intersect.</p>	<p>19. Lines <math>s</math> and <math>t</math> intersect, and line <math>v</math> does not intersect either one.</p>

Refer to the figure to answer the following questions.

20. Name two collinear points.

21. How many planes appear in the figure?

22. Do plane  $A$  and plane  $MNP$  intersect? Explain.

23. In what line do planes  $A$  and  $QRV$  intersect?

24. Are points  $T, S, R, Q$  and  $V$  coplanar? Explain.

