Points Lines and Planes Exit Quiz

Multiple choices

1. A line and a plane intersect in:
   a. Point
   b. Line
   c. Plane
   d. Line segment

2. Two planes intersect in:
   a. Line segment
   b. Line
   c. Point
   d. Ray

3. Identify a choice that best completes the statement.

<p>| | | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>a.</td>
<td></td>
<td>Any</td>
</tr>
<tr>
<td></td>
<td>two points are collinear.</td>
<td></td>
</tr>
<tr>
<td>b.</td>
<td></td>
<td>Any</td>
</tr>
<tr>
<td></td>
<td>three points are collinear.</td>
<td></td>
</tr>
<tr>
<td>c.</td>
<td></td>
<td>Any</td>
</tr>
<tr>
<td></td>
<td>two lines that intersect, will intersect in a point.</td>
<td></td>
</tr>
</tbody>
</table>

4. Refer to each figure

   Name three coplanar points.

   Name a point that is coplanar with L and H

   Name the intersection of plane π and plane NAD.

   Name the intersection of plane NAH and plane DHL.
Points Lines and Planes Exit Quiz

5. Draw and label figure for this relationship.

Draw four points, $G, H, R$ and $P$ in plane $\pi$. 
Points $H, R$ and $P$ are collinear. Then sketch $\overline{GH}$ and $\overline{PR}$. 
Points Lines and Planes Exit Quiz

ANSWERS

Multiple choices

1. A line and a plane intersect in :
   a. Point
   b. Line
   c. Plane
   d. Line segment

2. Two planes intersect in:
   a. Line segment
   b. Line
   c. Point
   d. Ray

3. Identify a choice that best completes the statement.

<p>| | | | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>a.</td>
<td>_______ two points are collinear.</td>
<td>Any</td>
<td>Sometimes</td>
</tr>
<tr>
<td>b.</td>
<td>_______ three points are collinear.</td>
<td>Any</td>
<td>Sometimes</td>
</tr>
<tr>
<td>c.</td>
<td>_______ two lines that intersect, will intersect in a point.</td>
<td>Any</td>
<td>Sometimes</td>
</tr>
</tbody>
</table>

4. Refer to each figure

Name three coplanar points. \( N, L, A \)

Name a point that is coplanar with \( L \) and \( H \). \( D \)

Name the intersection of plane \( \pi \) and plane \( NA \). \( NA \)

Name the intersection of plane \( NAH \) and plane \( DHL \). \( LH \)
Points Lines and Planes Exit Quiz

5. Draw and label figure for this relationship.

Draw four points, \( G, H, R \) and \( P \) in plane \( \pi \). Points \( H, R \) and \( P \) are collinear. Then sketch \( \overline{GH} \) and \( \overline{PR} \).