

1. What is the best description for the distance from Point A to Point B?

- A) \overline{AB} (B) AB



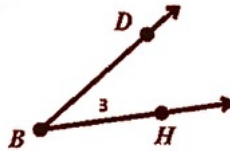
2. A student is told that \overline{AB} and \overline{CD} have equal lengths. The student writes down $\overline{AB} = \overline{CD}$. What is wrong with this mathematical statement?

The notation is about objects & when we speak of objects we use congruence $\overline{AB} \cong \overline{CD}$. To correctly write the lengths of

these two segments are equal would be $AB = CD$

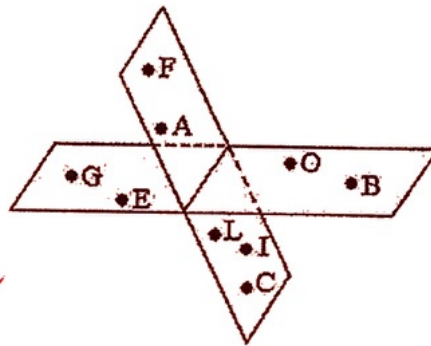
3. Provide all correct names for the angle.

- ~~x~~ 3
~~x~~ B
~~x~~ DBH
~~x~~ HBD



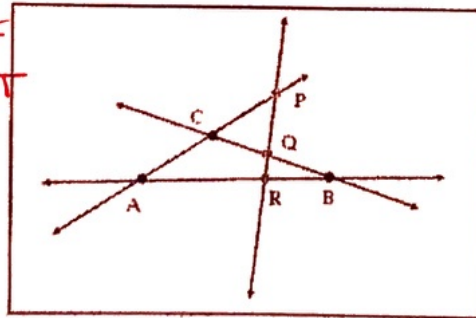
4. True or False

- a. F is coplanar with L and I. T
 b. G is coplanar with F and A. F
 * c. F and G are coplanar. T
 The plane is not drawn



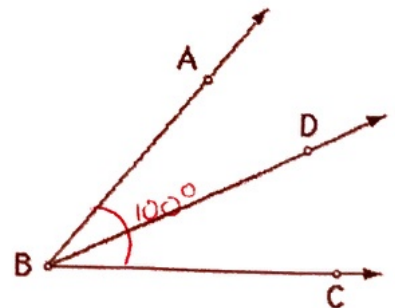
5. True or False

- a. C, P and R are collinear. F
 b. A, R, and B are collinear. T



6. \overline{BD} is the angle bisector of $\angle ABC$. If $m\angle ABC = 100^\circ$, what is $m\angle ABD$?

$$\frac{1}{2}(100) = 50^\circ$$



7. If \overline{AB} is the perpendicular bisector of \overline{CD} , state:

- a. Two congruent segments. $\overline{CE} \cong \overline{ED}$
 b. One right angle. ~~x~~ $\angle AEC$

