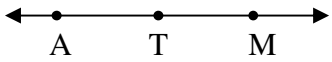
Assumptions and Justifications

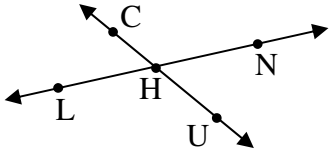
*Use **page 73** in your book to help complete the notes below…*

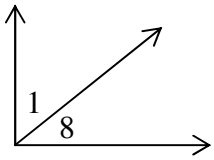
Things You Can Assume From a Diagram

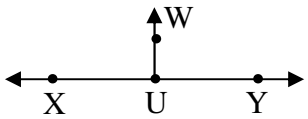
Things You CAN'T Assume From a Diagram

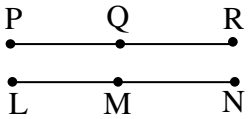
I. For each picture list the facts you ***can*** assume from it.

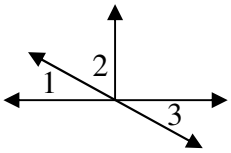




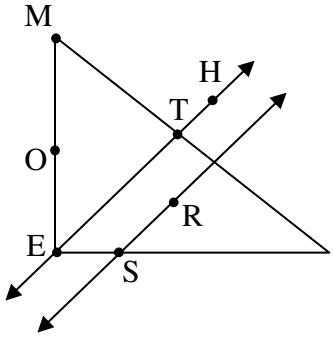




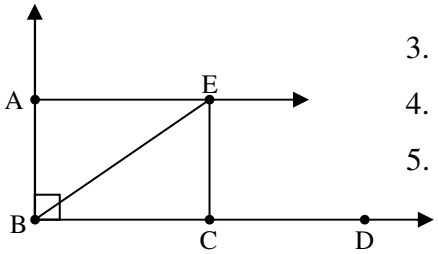




II. Based on the picture alone, determine if each statement is true or false.



1. $\overleftrightarrow{ET} \parallel \overleftrightarrow{SR}$
2. $\measuredangle MES$ is a right angle.
3. T is between E and H.
4. M, O, S, and H are coplanar.
5. $\overline{MO} \cong \overline{OE}$
6. $\measuredangle OET \cong \measuredangle TES$
7. O and R are collinear.
8. $\measuredangle MTH$ is a right angle.



1. $\measuredangle AEB$ is an acute angle.
2. $\overline{AE} \parallel \overline{BC}$
3. $\overline{AB} \perp \overline{BC}$
4. $AB < AE$
5. $m\measuredangle ECB = 90°$
6. $\measuredangle BEC$ and $\measuredangle ECB$ are supplementary.
7. $\measuredangle AEB$ and $\measuredangle BEC$ are complementary.
8. C is the midpoint of $\overline{BD}$.
9. $\measuredangle BCE$ and $\measuredangle ECD$ are a linear pair.
10. $\measuredangle ABE$ and $\measuredangle EBC$ are complementary.