1) Directions: Use the given figure to place each statement under the correct category.


| $\overleftrightarrow{A C D}$ and $\overleftrightarrow{B C E}$ are straight lines. | $\angle B \cong \angle E$. |
| :--- | :--- |
| $\angle B A C$ is a right angle. | $\angle C D E$ is an obtuse angle. |
| $\overline{C D} \cong \overline{D E}$ | $E$ is to the right of $A$. |
| $\angle B C E$ is a straight angle. | $\overline{B C}$ is longer than $\overline{C E}$. |
| $C, D, \& E$ are noncollinear. | $C$ is between $B$ and $E$. |

DO ASSUME
2) In the following figure, what assumptions can we make?
a) C lies on $\overline{B D}$.
b) $\angle A$ is a right angle.
c) $\overline{A B} \cong \overline{F D}$
d) D lies on $m$.

f) $\overleftrightarrow{A B}$ is parallel to $\overleftrightarrow{F D}$.
g) C is the midpoint of $\overline{B D}$.
h) $\triangle A B D$ is a triangle.
i) B lies on $\overrightarrow{G C}$.

Directions: Explain what the symbol or phrase means.
3) $\overline{A B} \| \overline{D E}$
4) $J K=R W$
5) $A, B, \& C$ are collinear
6) $\angle J$ and $\angle T$ are supplementary
7) $\mathrm{m} \angle A B C=30^{\circ}$
8) $\angle W \cong \angle H$
9) $m \angle W=m \angle H$
10) $\angle Q$ and $\angle F$ are complementary
11) $\overleftrightarrow{P J} \perp \overline{H I}$
12) $\overline{R W}$ bisects $\angle Y$

