

In each of the following problems, draw as many conclusions as possible for each “given” statement and provide the reason(s) that support each conclusion.

1. Given: $\overrightarrow{BA} \perp \overrightarrow{BC}$

Conclusion	Reason

2. Given: \overrightarrow{QS} bisects $\angle PQR$

Conclusion	Reason

3. Given: E is the midpoint of \overline{RD}

Conclusion	Reason

4. Given: $\angle BMW$ and $\angle WMA$ are a linear pair.

Conclusion	Reason

5. Given: $m\angle BAT$ is a right angle.

Conclusion	Reason

6. \overline{BD} bisects \overline{AC} at point E

Conclusion	Reason

For each of the following statements, write a conclusion that follows directly from the given statement and provide the reason.

7. $m\angle X = m\angle Y$

Conclusion	Reason

8. $\angle D$ and $\angle E$ are supplementary.

Conclusion	Reason

9. S is between A and K .

Conclusion	Reason

10. $\angle V$ is complementary to $\angle W$.

Conclusion	Reason

11. $\angle QUE \cong \angle STR$.

Conclusion	Reason

12. $m\angle BOX = 90^\circ$.

Conclusion	Reason

13. $\overline{CA} + \overline{AR} = \overline{CR}$

Conclusion	Reason

14. Points E and A are trisection points of \overline{BD}

Conclusion	Reason

