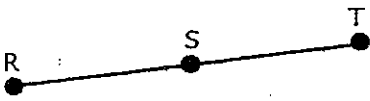


**\*Always mark the picture after each statement\***

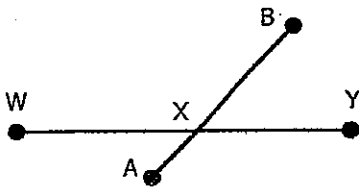
Fill in the blank statement, reason and mark the picture correctly.

1. Given: S is the midpoint of  $\overline{RT}$   
Prove:  $\overline{RS} \cong \overline{ST}$



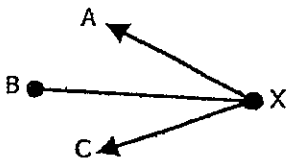
| Statement                               | Reason   |
|---|----------|
| 1) S is the midpoint of $\overline{RT}$ | 1) Given |
| 2)                                      | 2)       |

2. Given:  $\overline{AB}$  bisects  $\overline{WY}$  at X  
Prove:  $\overline{WX} \cong \overline{XY}$



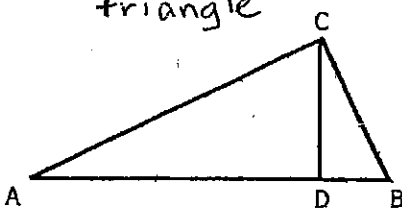
| Statement                                       | Reason   |
|---|----------|
| 1) $\overline{AB}$ bisects $\overline{WY}$ at X | 1) Given |
| 2)  | 2)       |
| 3)  | 3)       |

3. Given:  $\angle AXC$  is bisected by  $\overline{BX}$   
Prove:  $\angle AXB \cong \angle CXB$



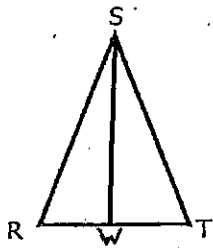
| Statement                                      | Reason   |
|--|----------|
| 1) $\angle AXC$ is bisected by $\overline{BX}$ | 1) Given |
| 2)   | 2)       |

4. Given:  $\overline{CD} \perp \overline{AB}$   
Prove:  $\triangle BDC$  is a right triangle



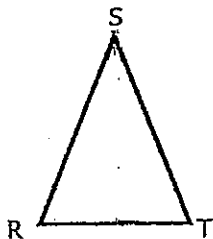
| Statement                              | Reason   |
|--|----------|
| 1) $\overline{CD} \perp \overline{AB}$ | 1) Given |
| 2)                                     | 2)       |
| 3)                                     | 3)       |

Given:  $\overline{SW}$  is a median  
 Prove:  $\overline{RW} \cong \overline{TW}$



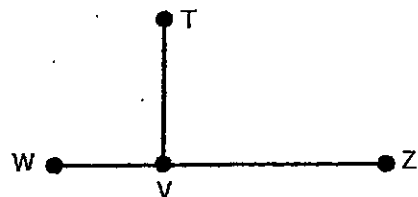
| Statement | Reason   |
|-----------|----------|
| 1)        | 1) Given |
| 2)        | 2)       |
| 3)        | 3)       |

Given:  $\triangle RST, RS = TS$   
 Prove:  $\triangle RST$  is isosceles



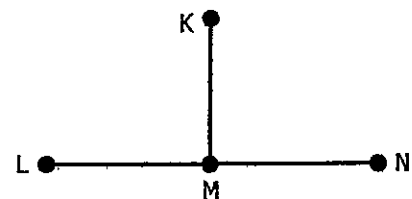
| Statement    | Reason   |
|--------------|----------|
| 1) $RS = TS$ | 1) Given |
| 2)           | 2)       |
| 3)           | 3)       |

Given:  $\overline{TV} \perp \overline{WZ}$   
 Prove:  $\angle WVT \cong \angle ZVT$



| Statement                              | Reason   |
|--|----------|
| 1) $\overline{TV} \perp \overline{WZ}$ | 1) Given |
| 2)                                     | 2)       |
| 3)                                     | 3)       |

Given:  $\overline{KM} \perp$  bisector of  $\overline{LN}$   
 Prove:  $\angle LMK \cong \angle NMK$



| Statement  | Reason   |
|--|----------|
| 1) $\overline{KM} \perp$ bisector of $\overline{LN}$ | 1) Given |
| 2)   | 2)       |
| 3)   | 3)       |