

Mark each picture with the appropriate information.

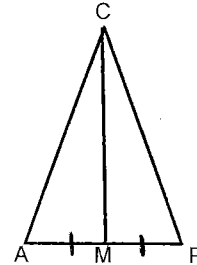
1) Statement _____ **Reason** _____

1. M is the midpoint of \overline{AP}

1. Given

2. $\overline{AM} \cong \overline{PM}$

2. Def. of midpoint



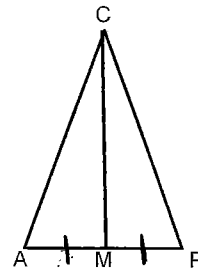
2) Statement _____ **Reason** _____

1. \overline{CM} bisects \overline{AP} *segment*

1. Given

2. $\overline{AM} \cong \overline{PM}$

2. Def. of bisect



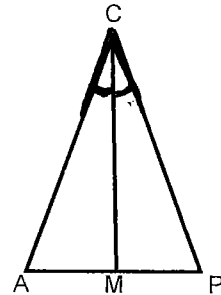
3) Statement _____ **Reason** _____

1. \overline{CM} bisects $\angle ACP$ *angle*

1. Given

2. $\angle ACM \cong \angle PCM$

2. Def. of bisect



4) Statement _____ **Reason** _____

1. $\overline{CM} \perp \overline{AP}$

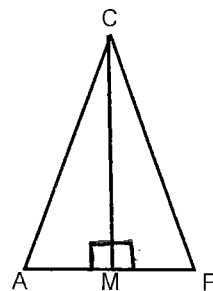
1. Given

2. $m\angle AMC = 90^\circ, m\angle PMC = 90^\circ$

2. Def. of \perp

3. $\angle AMC \cong \angle PMC$

3. Def. of \cong



5) Statement

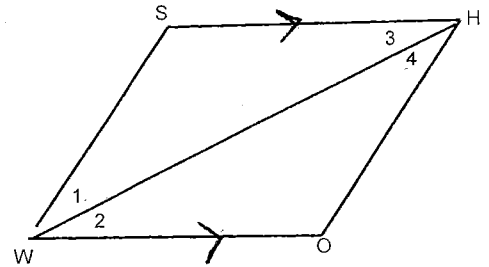
Reason

1. $\overline{SH} \parallel \overline{OW}$

1. Given

2. $\angle 1 \cong \angle 4, \angle 2 \cong \angle 3$

2. A.I.A Thm



6) Statement

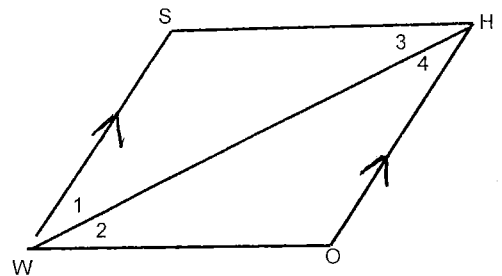
Reason

1. $\overline{SW} \parallel \overline{OH}$

1. Given

2. $\angle 2 \cong \angle 3, \angle 1 \cong \angle 4$

2. A.I.A. Thm



7) Statement

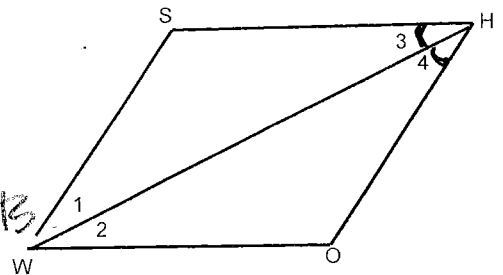
Reason

1. \overline{WH} bisects $\angle SHO$

1. Given

2. $\angle 3 \cong \angle 4$

2. Def. of bisect



8) Statement

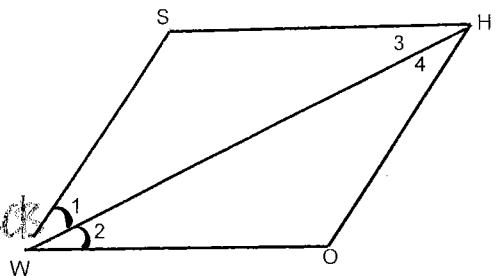
Reason

1. \overline{WH} bisects $\angle SWO$

1. Given

2. $\angle 1 \cong \angle 2$

2. Def. of bisect



9) Statement

Reason

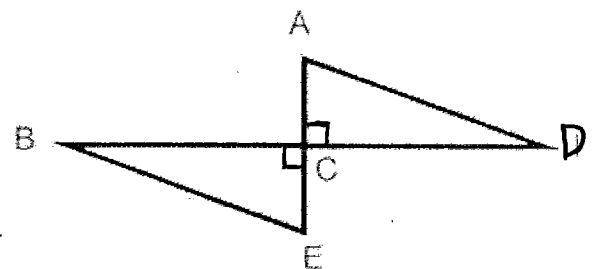
1. $\overline{AE} \perp \overline{BD}$

1. Given

2. $\angle BCE = 90^\circ$

$\angle ACD = 90^\circ$

2. Def. of \perp



10) Statement**Reason**

1. $\overline{AG} \parallel \overline{TS}$

1. Given

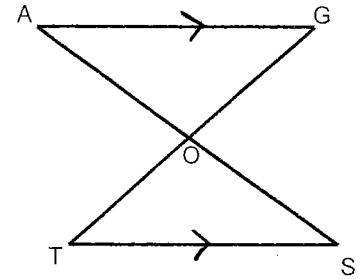
2. $\angle AGO \cong \angle STO$

2. A.I.A. Thm

OR

3. $\angle GAO \cong \angle TSO$

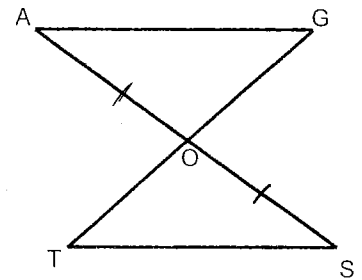
3. A.I.A. Thm

**11) Statement****Reason**1. O is the midpoint \overline{AS}

1. Given

2. $\overline{AO} \cong \overline{SO}$

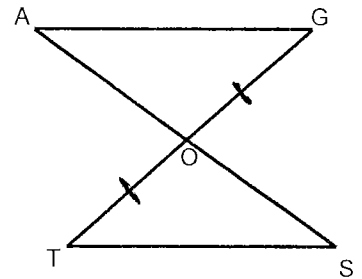
2. Def. of midpoint

**12) Statement****Reason**1. O is the midpoint of \overline{GT}

1. Given

2. $\overline{TO} \cong \overline{GO}$

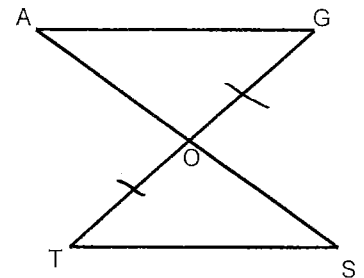
2. Def. of midpoint

**13) Statement****Reason**1. \overline{AS} bisects \overline{GT}

1. Given

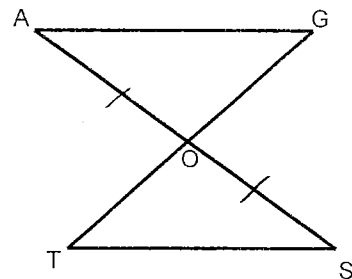
2. $\overline{TO} \cong \overline{GO}$

2. Def. of bisects



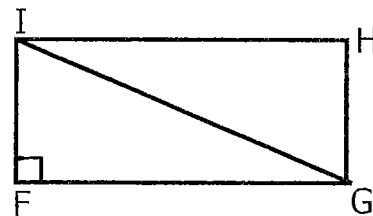
14) Statement **Reason**

- | | |
|--|--------------------|
| 1. \overline{GT} bisects \overline{AS} | 1. Given |
| 2. $\overline{AO} \cong \overline{SO}$ | 2. def. of bisects |



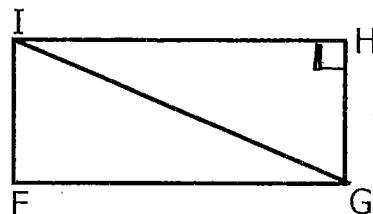
15) Statement **Reason**

- | | |
|--|--------------------|
| 1. $\overline{FI} \perp \overline{FG}$ | 1. Given |
| 2. $\angle IFG = 90^\circ$ | 2. Def. of \perp |



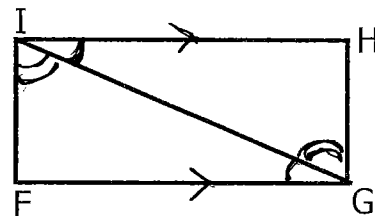
16) Statement **Reason**

- | | |
|--|--------------------|
| 1. $\overline{HI} \perp \overline{HG}$ | 1. Given |
| 2. $\angle GHI = 90^\circ$ | 2. Def. of \perp |



17) Statement **Reason**

- | | |
|--|------------------|
| 1. $\overline{HI} \parallel \overline{FG}$ | 1. Given |
| 2. $\angle HIG \cong \angle FGI$; $\angle FIG \cong \angle HGI$ | 2. A. I. A. Thm. |
- * Also remember S.S. Interior relationships



18) Statement **Reason**

- | | |
|--|-----------------|
| 1. $\overline{FI} \parallel \overline{HG}$ | 1. Given |
| 2. $\angle HIG \cong \angle FGI$; $\angle FIG \cong \angle HGI$ | 2. A. I. A. Thm |

