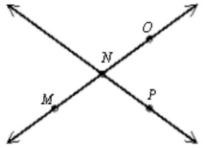
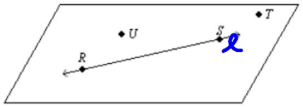
1. Are O, N, and P collinear? If so, name the line on which they lie.



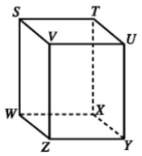
A. Yes, they lie on $\overline{MP}$.
B. Yes, they lie on $\overline{NP}$.
C. Yes, they lie on $\overline{MO}$.
D. No, the three points are not collinear.

2. Name the line and plane shown in the diagram.



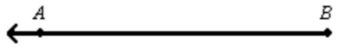
A. $\overleftrightarrow{RS}$ and plane RSU
B. line R and plane RSU
C. $\overleftrightarrow{RS}$ and plane UR
D. $\overleftrightarrow{SR}$ and plane UT

3. What is the intersection of plane TUYX and plane VUYZ?



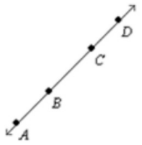
A. $\overleftrightarrow{SW}$
B. $\overleftrightarrow{UY}$
C. $\overleftrightarrow{TX}$
D. $\overleftrightarrow{VZ}$

4. Name the ray in the figure.



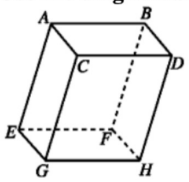
A. $\overline{BA}$
B. $\overleftrightarrow{AB}$
C. $\overrightarrow{BA}$
D. $\overrightarrow{AB}$

5. Name the ray that is opposite $\overrightarrow{BA}$



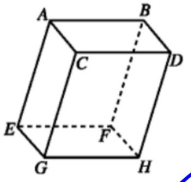
A. $\overrightarrow{AB}$ B. $\overrightarrow{BD}$
C. $\overrightarrow{CA}$ D. $\overrightarrow{DA}$

Use the diagram below for questions 6-8.



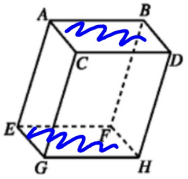
6. Name the four labeled segments that are skew to $\overline{CD}$.

A. $\overline{AE}, \overline{EF}, \overline{BF}, \overline{EG}$
B. $\overline{BF}, \overline{GH}, \overline{EG}, \overline{AE}$
C. $\overline{FH}, \overline{AE}, \overline{CG}, \overline{BF}$
D. $\overline{FH}, \overline{EG}, \overline{AE}, \overline{BF}$



7. Name the three labeled segments that are parallel to $\overline{EF}$, using the diagram above.

A. $\overline{GH}, \overline{EG}, \overline{CD}$ B. $\overline{BF}, \overline{AB}, \overline{CD}$
C. $\overline{AC}, \overline{CD}, \overline{GH}$ D. $\overline{AB}, \overline{CD}, \overline{GH}$



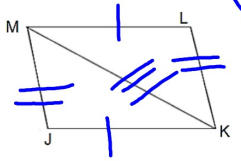
8. Which plane is parallel to EFHG?

A. plane ABDC
B. plane ACGE
C. plane CDHG
D. plane BDHF

9. Complete the proof.

Given: $\overline{JK} \cong \overline{LM}$, $\overline{JM} \cong \overline{LK}$

Prove: $\Delta JKM \cong \Delta LMK$



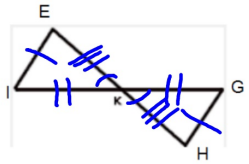
Statements	Justifications
	Given
$\overline{JM} \cong \overline{LK}$	Given
$\overline{KM} \cong \overline{MK}$	Refl.
	SSS

10. Complete the proof.

Given: $\overline{EI} \cong \overline{GH}$

K is the midpoint of $\overline{GI}$ and $\overline{EH}$.

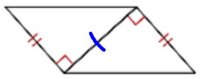
Prove: $\Delta EKI \cong \Delta HKG$



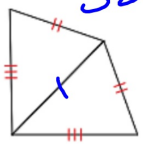
Statements	Justifications
$\overline{EI} \cong \overline{GH}$	Given
K is the midpoint of $\overline{GI}$	Given
	Definition of midpoint
	Given
	Vert. Angles
$\Delta EKI \cong \Delta HKG$	SSS

For #11-#16, are the two triangles congruent? If so, which postulate, SSS or SAS, is being used?

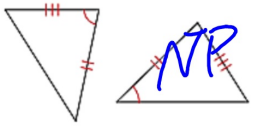
11. SAS



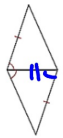
12. SSS



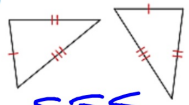
13. NP



14. NP



15. SSS



SAS

16. SAS