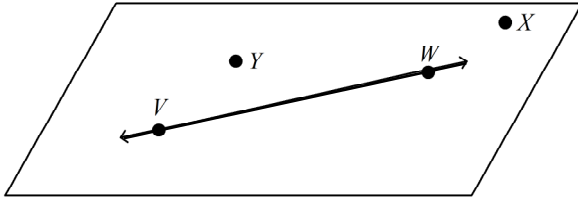


Geometry elements**Multiple Choice**

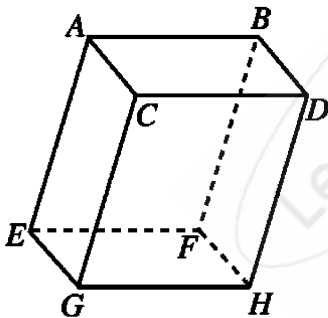
Identify the choice that best completes the statement or answers the question.

- _____ 1. Name the line and plane shown in the diagram.



- a. \overleftrightarrow{VW} and plane YV c. \overleftrightarrow{WV} and plane YX
 b. \overleftrightarrow{VW} and plane VWY d. line V and plane VWY

- _____ 2. What are the names of three planes that contain point A ?



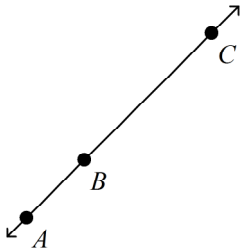
- a. planes $ABDC$, $EFGH$, and $ACHF$
 b. planes $CDHG$, $ABFE$, and $ACHF$
 c. planes $ABDC$, $ABFE$, and $ACHF$
 d. planes $ABDC$, $ABFE$, and $CDHG$

- _____ 3. Name the ray in the figure.



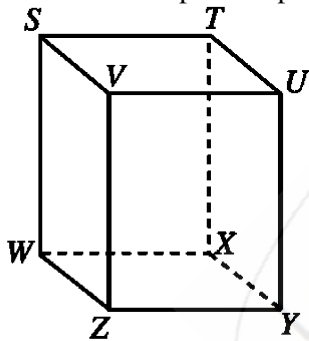
- a. \overleftrightarrow{CD} b. \overline{DC} c. \overrightarrow{DC} d. \overrightarrow{CD}

_____ 4. What are the names of the segments in the figure?



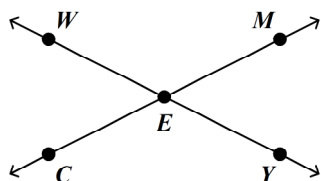
- a. The three segments are \overline{AB} , \overline{BC} , and \overline{BA} .
- b. The two segments are \overline{AB} and \overline{BC} .
- c. The three segments are \overline{AB} , \overline{CA} , and \overline{AC} .
- d. The three segments are \overline{AB} , \overline{BC} , and \overline{AC} .

_____ 5. Name a fourth point in plane XYZ .



- a. S
- b. V
- c. U
- d. T

Use the diagram to answer the following question(s).



_____ 6. What is another name for \overrightarrow{WY} ?

a. \overrightarrow{YW}

b. \overrightarrow{EW}

c. \overrightarrow{YE}

d. \overrightarrow{WE}

_____ 7. What is another name for \overleftrightarrow{YW} ?

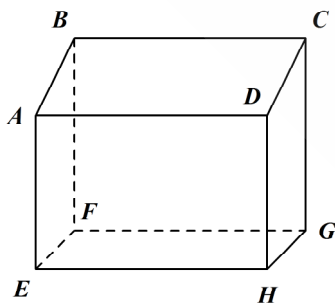
a. \overleftrightarrow{YW}

b. \overleftrightarrow{WY}

c. \overleftrightarrow{EW}

d. \overleftrightarrow{EY}

_____ 8. The figure below is a rectangular shipping box. Name two different planes that contain \overleftrightarrow{AB} .



a. plane CDG , plane AED

b. plane AED , plane BEF

c. plane CDA , plane CDG

d. plane CDA , plane BEF

Geometry elements

Answer Section

MULTIPLE CHOICE

1. ANS: B PTS: 1 DIF: L3 REF: 1-2 Points, Lines, and Planes
 OBJ: 1-2.1 Understand basic terms and postulates of geometry NAT: G.3.bl G.4.b
 TOP: 1-2 Problem 1 Naming Points, Lines, and Planes KEY: line | plane
 DOK: DOK 1
2. ANS: C PTS: 1 DIF: L4 REF: 1-2 Points, Lines, and Planes
 OBJ: 1-2.1 Understand basic terms and postulates of geometry NAT: G.3.bl G.4.b
 TOP: 1-2 Problem 1 Naming Points, Lines, and Planes KEY: plane | point
 DOK: DOK 2
3. ANS: C PTS: 1 DIF: L2 REF: 1-2 Points, Lines, and Planes
 OBJ: 1-2.1 Understand basic terms and postulates of geometry NAT: G.3.bl G.4.b
 TOP: 1-2 Problem 2 Naming Segments and Rays KEY: ray
 DOK: DOK 1
4. ANS: D PTS: 1 DIF: L3 REF: 1-2 Points, Lines, and Planes
 OBJ: 1-2.1 Understand basic terms and postulates of geometry NAT: G.3.bl G.4.b
 TOP: 1-2 Problem 2 Naming Segments and Rays KEY: segment
 DOK: DOK 1
5. ANS: B PTS: 1 DIF: L3 REF: 1-2 Points, Lines, and Planes
 OBJ: 1-2.1 Understand basic terms and postulates of geometry NAT: G.3.bl G.4.b
 TOP: 1-2 Problem 4 Using Postulate 1-4 KEY: point | plane DOK: DOK 2
6. ANS: D PTS: 1 DIF: Level 1 REF: Geometry Sec. 1.1
 NAT: HSG-CO.A.1 KEY: defined terms
7. ANS: B PTS: 1 DIF: Level 1 REF: Geometry Sec. 1.1
 NAT: HSG-CO.A.1 KEY: defined terms
 NOT: Example 2
8. ANS: D PTS: 1 DIF: Level 1 REF: Geometry Sec. 1.1
 NAT: HSG-CO.A.1 KEY: application NOT: Example 5