





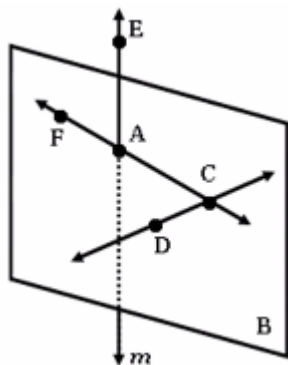


1) Darken/Highlight the appropriate parts of the figures:

- a) \overleftrightarrow{RS} 
- b) \overleftrightarrow{SR} 
- c) \overleftrightarrow{RS} 
- d) \overleftrightarrow{SR} 
- e) \overleftrightarrow{TS} 
- f) S 

2) TRUE / FALSE:



- a) Point E lies in plane B
- b) Points A , C , and F are collinear.
- c) Points A , C , and F are coplanar.
- d) Point A lies on line m and on plane B .
- e) A line can be drawn containing points D and E .
- f) A line can be drawn containing points A , C and E .
- g) There exists a plane which contains points A , D , and E .
- h) Every line contained in plane B intersects \overline{CF} .
- i) The intersection of \overline{AF} and \overline{DC} is C .
- j) \overline{DC} lies in plane B .
- k) Line m lies in plane B .
- l) Plane B intersects line m at A .
- m) \overline{DC} and \overline{AE} are coplanar.
- n) \overline{AE} and \overline{AF} are coplanar.

3) Fill in the blanks below:

- a) The _____ between points A and B is the set consisting of A , B , and all points on the line AB between A and B .
- b) A _____ is a segment from the center of a circle to a point on the circle.
- c) An _____ is the union of two non-collinear rays with the same endpoint.
- d) Perpendicular lines form _____ angles.

4) Determine if the notation (AB) is referring to a figure or a number:

- a) \overline{AB} intersects... Figure / Number
- b) $AB + BC = AC$ Figure / Number
- c) Find \overline{AB} so that $\overline{AB} \parallel \overline{CD}$. Figure / Number
- d) $AB = 6$ Figure / Number



5) Determine if the angle shown between the clock hands is acute, right, or obtuse:

a)



acute / right / obtuse

b)



acute / right / obtuse

c)



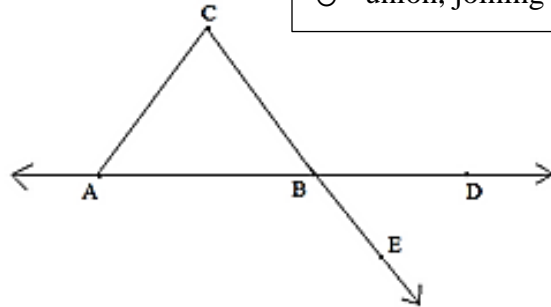
acute / right / obtuse

6) Find and name the following:

- $\overline{AD} \cap \overline{CE}$
- $\overline{AB} \cap \overline{BA}$
- $\overline{AD} \cap \overline{BD}$
- $\overline{BC} \cap \overline{BE}$
- $\overline{AB} \cap \overline{BE}$
- $\overline{BC} \cup \overline{BA}$
- $\overline{BA} \cup \overline{BD}$
- $\overline{CE} \cup \overline{BC}$
- $\overline{AD} \cup \overline{AB}$

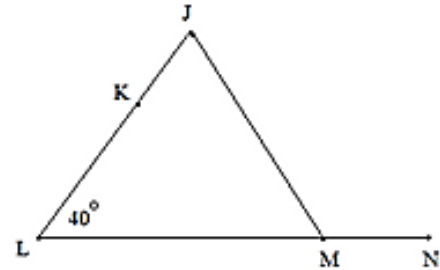
Given: A, B, and D are collinear
C, B, and E are collinear

\cap = intersection, overlap
 \cup = union, joining



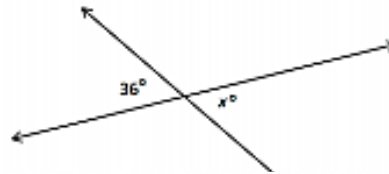
7) $m\angle L = 40^\circ$. List four other names for $\angle L$.

- _____
- _____
- _____
- _____

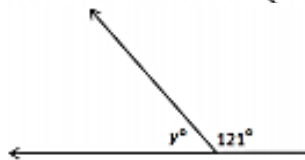


8) Answer the following:

- $\overline{XY} = 20$, A is the midpoint of \overline{XY} , B is the midpoint of \overline{XA} . What is BA?
- \overline{CD} and \overline{EF} bisect each other at O. $CD = 18$, $LM = 23$. What are CO and EO?
- $\angle 1$ has twice the measure of $\angle 2$. The two angles are complementary. Find $m\angle 1$ and $m\angle 2$.
- Two congruent angles are also supplementary. Find the measure of both angles.
- Find the missing angle measure:



f) Find the missing angle measure:



g) Find the missing angle measure:

