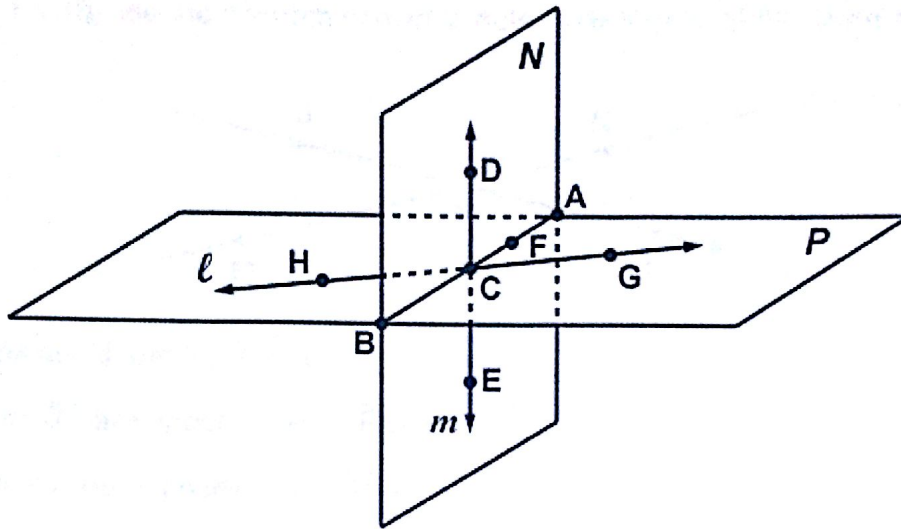


Key



Using the diagram shown, determine if each of the following statements is true or false:

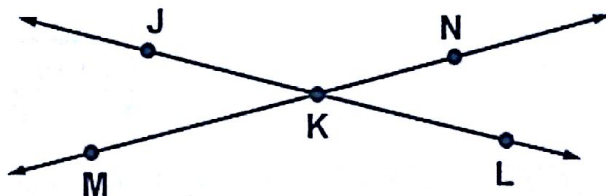
1. H is on line m . False
2. Plane P contains point F . True
3. Points D , C , and B are collinear. False
4. Points D , C , and B are coplanar. True
5. Line m is on plane N . True
6. Lines ℓ and m intersect at point B . False

Using the same diagram shown above, answer each question below:

7. Name two points that are collinear to G . C, H
8. Name a point coplanar to line ℓ . A, F, or B
9. Name the intersection of \overline{HG} and \overline{ED} . C
10. Name the intersection of planes N and P . \overline{BC} , \overline{BF} , \overline{BA} , \overline{CF} , \overline{CA} , or \overline{FA}
11. State another name for \overline{CD} . \overline{DC} , \overline{DE} , \overline{CE} , \overline{ED} , \overline{EC} , or line m
12. Name two points that are in plane P but not in plane N . G, H

Basic Figures - Segments, Rays, & Length

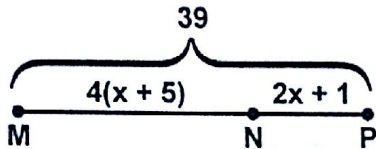
For questions 1 – 10, use the diagram shown to determine if each of the given statements is true or false.



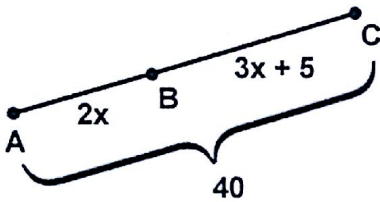
1. K is between J and N. False
2. \overrightarrow{MK} and \overrightarrow{KM} are opposite rays. False
3. \overrightarrow{KL} and \overrightarrow{KJ} are opposite rays. True
4. \overrightarrow{KN} and \overrightarrow{NK} mean the same thing. True
5. L is the endpoint of \overrightarrow{KL} . False
6. \overrightarrow{JK} and \overrightarrow{KJ} mean the same thing. False
7. $JL = LJ$. True
8. J is an endpoint of \overrightarrow{JL} . False
9. $MK = KN$. False
10. K is between J and L. True

Basic Figures - Segment Addition Postulate & Midpoint

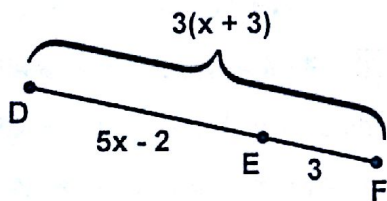
1. Using the diagram shown, find the value of x . $x = 3$



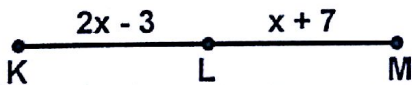
2. Using the diagram shown, find AB and BC. $x = 7$; $AB = 14$, $BC = 26$



3. Using the diagram shown, find DE and DF. $x = 4$; $DE = 18$, $DF = 21$



4. In the given diagram, L is the midpoint of \overline{KM} . Find the value of x . $x = 10$



5. In the given diagram, Y is the midpoint of \overline{XZ} . Find XZ. $x = 11$; $XZ = 60$

