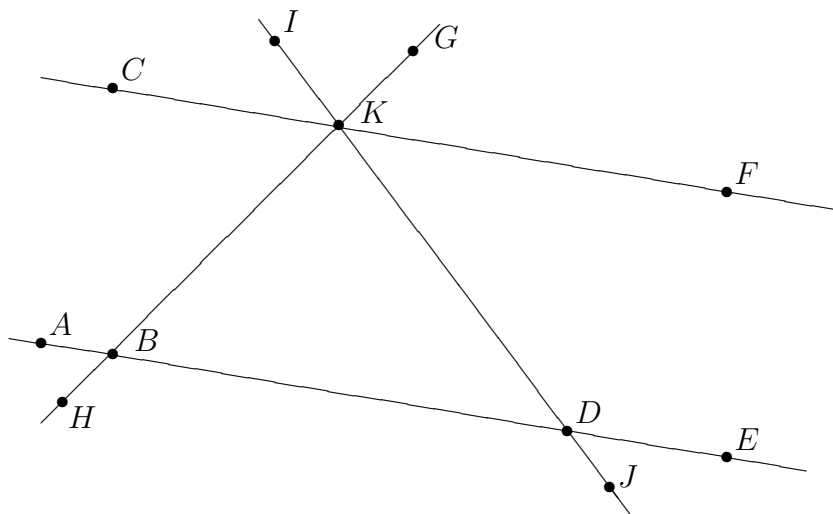


Referring to the figure below, use correct notation to write the name of the requested objects.



1. a pair of (seemingly) parallel lines
2. a collection of concurrent lines
3. three collinear points
4. three non-collinear points
5. a pair of acute vertical angles having point D as a vertex
6. a pair of obtuse vertical angles having B as a vertex
7. a pair of supplementary angles
8. a linear pair of angles
9. a pair of adjacent angles whose total measurement is less than 180°
10. a pair of adjacent angles that are *not* supplementary
11. a pair of adjacent angles whose total measurement exceeds 180°
12. three different rays that are part of \overleftrightarrow{KF}
13. three different line segments that are part of \overleftrightarrow{KF}
14. two different objects that \overline{KF} is part of
15. two different objects that \vec{KF} is part of
16. three different names for the single line that G lies on

1. Lines \overleftrightarrow{AB} and \overleftrightarrow{CF} appear to be parallel. (Other names for these same lines are correct.)
2. Lines \overleftrightarrow{CF} , \overleftrightarrow{BK} , and \overleftrightarrow{ID} are concurrent. (Other names for these same lines are correct.)
3. A , B , D , and E are collinear, as are C , K , and F , along with I , K , D , J , and H , B , K , G .
4. There are dozens of correct answers: one option is A , B , and C .
5. $\angle BDK$ and $\angle JDE$ (Other names for these same angles are correct.)
6. $\angle ABK$ and $\angle HBD$ (Other names for these same angles are correct.)
7. There are dozens of correct answers: one option is $\angle ABK$ and $\angle DBK$.
8. In this diagram, the answers here are the same as for the previous question.
9. Any two adjacent angles with vertex K will do here, such as $\angle CKI$ and $\angle IKG$.
10. All answers to the previous question are also correct here.
11. There are many correct answers: $\angle ABK$ and $\angle KBH$ work.
12. Any three of these six rays are correct: \overrightarrow{CK} , \overrightarrow{CF} , \overrightarrow{KC} , \overrightarrow{KF} , \overrightarrow{FC} , and \overrightarrow{FK} .
13. The only three segments possible are \overline{CF} , \overline{FK} , and \overline{CK} .
14. Any two of these objects will work: \overleftrightarrow{KF} (or any other name for this line); \overline{CF} ; any of rays \overrightarrow{KF} , \overrightarrow{CF} , \overrightarrow{FK} , or \overrightarrow{FC} ; any angle of the form $\angle FK_.$
15. Any two of these objects will work: \overleftrightarrow{KF} (or any other name for this line), \overleftrightarrow{CF} , or any angle of the form $\angle FK_.$
16. There are 12 possibilities, among them \overleftrightarrow{HG} , \overleftrightarrow{BG} , and \overleftrightarrow{KG} .