LESSON 1.2

NAME _____ DATE _____

Practice A

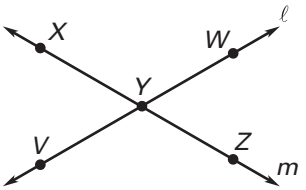
For use with pages 10–16

Draw a sketch and label as needed.

1. Three collinear points, *A, B,* and *C*.
2. $\overleftrightarrow{MN}$ intersecting $\overleftrightarrow{PQ}$ at point *R*.
3. Coplanar points *W, X, Y,* and *Z*.
4. Opposite rays, $\overrightarrow{JK}$ and $\overrightarrow{JC}$.

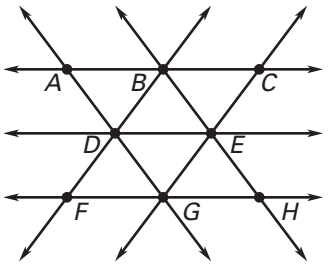
Decide whether the statement is *true* or *false.*

5. Point *X* lies on line *m*.
6. *X*, *Y*, and *Z* are collinear.
7. Point *W* lies on line *m*.
8. *X*, *Y*, and *Z* are coplanar.
9. Point *V* lies on line *l*.
10. *V*, *Y*, and *X* are collinear.
11. Point *Y* lies on line *l*.
12. *V*, *Y*, and *X* are coplanar.



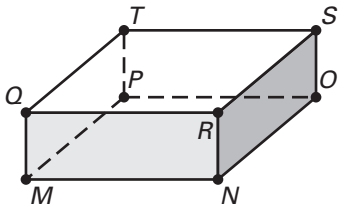
Name a point that is collinear with the given points.

13. *B* and *E*
14. *F* and *H*
15. *D* and *G*
16. *A* and *C*
17. *H* and *E*
18. *G* and *C*
19. *A* and *D*
20. *B* and *C*



Name a point that is coplanar with the given points.

21. *M*, *N*, and *O*
22. *M*, *N*, and *R*
23. *T*, *Q*, and *M*
24. *T*, *Q*, and *R*
25. *T*, *S*, and *R*
26. *T*, *S*, and *O*
27. *O*, *S*, and *R*
28. *O*, *P*, and *M*



In Exercises 29–34, complete the sentence.

29. Collinear points are points that ___?___.
30. Coplanar points are points that ___?___.
31. $\overline{XY}$ consists of the endpoints *X* and *Y* and all points on the line $\overleftrightarrow{XY}$ that lie ___?___.
32. $\overrightarrow{MN}$ consists of the initial point *M* and all points on the line $\overleftrightarrow{MN}$ that lie ___?___.
33. Two rays or segments are collinear if they ___?___.
34. $\overrightarrow{PQ}$ and $\overrightarrow{PT}$ are opposite rays if ___?___.
35. Explain the difference between $\overrightarrow{BC}$ and $\overrightarrow{CB}$.

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