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## Practice A

For use with pages 10-16

## Draw a sketch and label as needed.

1. Three collinear points, $A, B$, and $C$.
2. $\overleftrightarrow{M N}$ intersecting $\overleftrightarrow{P Q}$ at point $R$.
3. Coplanar points $W, X, Y$, and $Z$.
4. Opposite rays, $\overrightarrow{J K}$ and $\overrightarrow{J C}$.

## Decide whether the statement is true or false.

5. Point $X$ lies on line $m$.
6. Point $W$ lies on line $m$.
7. Point $V$ lies on line $l$.
8. Point $Y$ lies on line $l$.
9. $X, Y$, and $Z$ are collinear.
10. $X, Y$, and $Z$ are coplanar.
11. $V, Y$, and $X$ are collinear.
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 $\qquad$ ? .
30. Coplanar points are points that $\qquad$ .
31. $\overline{X Y}$ consists of the endpoints $X$ and $Y$ and all points on the line $\overleftrightarrow{X Y}$ that lie $\qquad$ ? .
32. $\overrightarrow{M N}$ consists of the initial point $M$ and all points on the line $\overleftrightarrow{M N}$ that lie $\qquad$ -
33. Two rays or segments are collinear if they $\qquad$ ?.
34. $\overrightarrow{P Q}$ and $\overrightarrow{P T}$ are opposite rays if $\qquad$ ? .
35. Explain the difference between $\overrightarrow{B C}$ and $\overrightarrow{C B}$.

