Practice 1-2

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Example Exercises
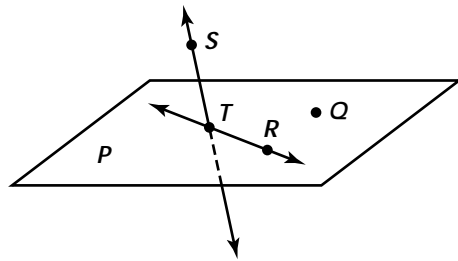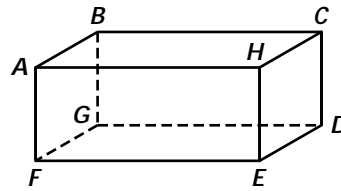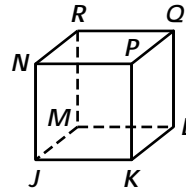
1. Are *N, P, Q,* and *R* coplanar?

2. Are *N, J, P,* and *Q* coplanar?

3. Are *N, M,* and *L* coplanar?

4. Name in two different ways the plane that contains *F, G, D,* and *E.*

5. Are *A, B, D,* and *E* coplanar?

6. Are *B* and *H* collinear?

7. Are *C, H,* and *E* collinear?

8. Name plane *P* in another way.

9. What is the intersection of $\overleftrightarrow{ST}$ and $\overleftrightarrow{TR}$?

10. What is the intersection of $\overleftrightarrow{TR}$ and plane *P?*

11. What is the intersection of plane *P* and plane *STQ?*

12. What is the intersection of $\overleftrightarrow{SQ}$ and $\overleftrightarrow{TR}$?

13. What is the intersection of plane *P* and plane *STR?*

14. What is the intersection of $\overleftrightarrow{ST}$ and $\overleftrightarrow{SR}$?

15. What is the intersection of plane *P* and $\overleftrightarrow{SQ}$?

Which of the following are collinear?

16. *T* and *R*   **17.** *S* and *Q*   **18.** *S, T,* and *R*

Which of the following are coplanar?

19. *S, Q,* and *R*   **20.** *S, T,* and *R*   **21.** *S, T, R,* and *Q*

22. $\overleftrightarrow{ST}$ and *R*   **23.** $\overleftrightarrow{ST}$ and *Q*   **24.** $\overleftrightarrow{ST}$ and $\overleftrightarrow{TR}$

25. $\overleftrightarrow{TR}$ and *S*   **26.** $\overleftrightarrow{TR}$ and *Q*   **27.** $\overleftrightarrow{TR}$ and $\overleftrightarrow{SQ}$

28. If five points are collinear, are they coplanar?

29. If five points are coplanar, are they collinear?