

LEVEL: EMERGING

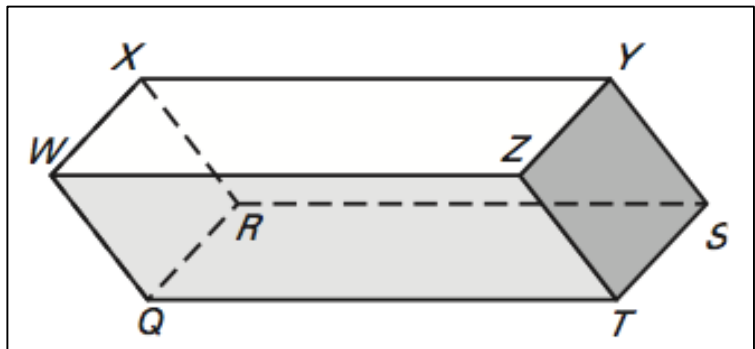
Directions: Give a real life example of the line type.

1) Skew lines	2) Parallel lines	3) Coplanar lines	4) Perpendicular lines
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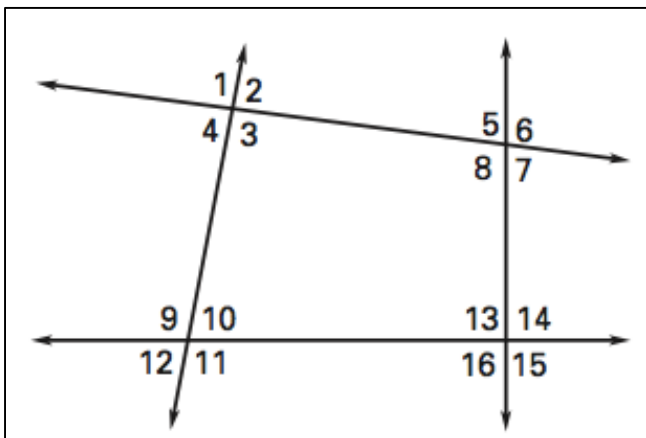
LEVEL: PROFICIENT

Directions: Think of each segment in the diagram as part of a line. Complete the statement with parallel, skew, or perpendicular.

- 5) \overline{WZ} and \overline{RS} are _____.
- 6) \overline{WZ} and \overline{YZ} are _____.
- 7) \overline{RS} and \overline{TZ} are _____.
- 8) Plane WQR and plane SYT are _____.
- 9) Plane RQW and plane TQW are _____.



Directions: Classify the angle pair as corresponding, alternate interior, alternate exterior, consecutive interior angles, or none.



- 10) $\angle 1$ and $\angle 5$
- 11) $\angle 4$ and $\angle 6$
- 12) $\angle 16$ and $\angle 3$
- 13) $\angle 11$ and $\angle 16$
- 14) $\angle 12$ and $\angle 14$
- 15) $\angle 7$ and $\angle 13$

Directions: Complete the following statement with always, sometimes, or never.

- 16) If two planes intersect, then they are _____ perpendicular.
- 17) If two lines are skew, then they are _____ coplanar.
- 18) If three lines are coplanar and never intersect, then they are _____ parallel.

19) If two lines are parallel, then they are _____ coplanar.

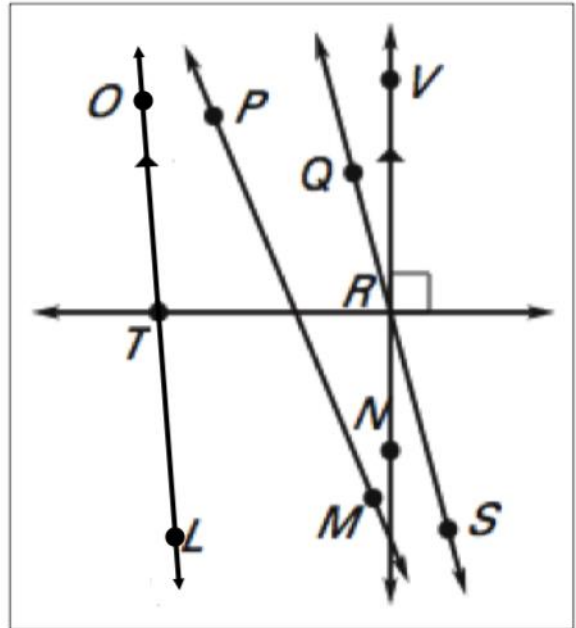
LEVEL: MASTERY

Directions: Use the marking in the diagram to answer the following questions.

20) Name a pair of parallel lines. _____

21) Name a pair of perpendicular lines. _____

22) Is $\overline{QS} \square \overline{PM}$? Explain.



23) Is $\overline{OL} \wedge \overline{TR}$? Explain.

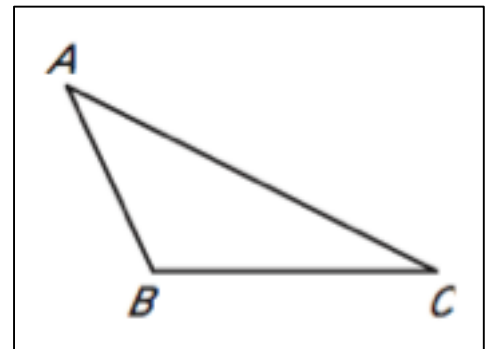
Directions: Sketch the line in the diagram.

24) Line through A and parallel to BC.

25) Line through A and perpendicular to BC.

26) Line through B and perpendicular to AC.

27) Line through C and parallel to AB.



28. Directions: If $m\angle 3 = 71^\circ$, can you find all the missing angles? Write a reason for whether or not you can find each angle as well as the angle measure.

