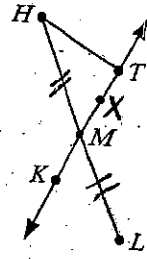


#1-4, Use the diagram at right to classify each statement as true or

1. H, M and T are collinear.
2. \overleftrightarrow{KM} and \overleftrightarrow{ML} are different names for the same line.
3. \overrightarrow{MT} and \overrightarrow{MX} are the same ray
4. \overrightarrow{MT} and \overrightarrow{TM} are opposite rays

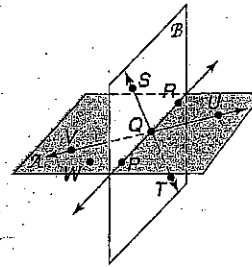


#5-10, State whether each is best modeled as a point, line or plane.

- | | | |
|-------------------------|-----------------------------------|-------------------------|
| 5. taut piece of thread | 7. a cell phone beam to satellite | 9. the corner of a room |
| 6. a knot in the thread | 8. a pixel on a computer screen | 10. your desktop |

#11-16, Refer to the figure at right to name each of the following.

11. A line containing V
12. two points coplanar with S
13. a plane containing \overleftrightarrow{VU} and \overleftrightarrow{PR}
14. A point collinear with S and Q
15. another name for \overrightarrow{ST}
16. A line coplanar with \overleftrightarrow{SQ}



#17-20, Draw and label each description.

17. S lies on \overleftrightarrow{PR} .
18. Planes \mathcal{P} and \mathcal{R} intersect in \overleftrightarrow{AB}
19. m contains A and B, but not C
20. m, n, p are coplanar, but do not intersect

#21-23, Refer to the diagram at right.

21. Name all planes shown
22. Name (2) points coplanar with B, H and K
23. Name all segments that intersect at Es

