

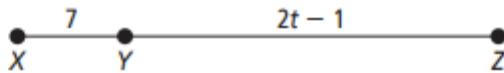
Name: _____ Date: _____ Block: _____

1)

Point C does not lie on \overleftrightarrow{XY} . Can point C lie in the same plane as \overleftrightarrow{XY} ? Explain.

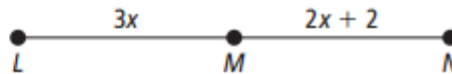
2)

Look at the diagram below. If $XY = 7$ and $XZ = 30$, what is the value of t ?



3)

M is the midpoint of \overline{LN} . What is LM ?



4)

$m\angle RNY + m\angle GNC = 128$ and $\angle RNY \cong \angle GNC$. What is true about these two angles?

5)

$\angle ABC$ and $\angle DBE$ are vertical angles, $m\angle ABC = 3x + 20$, and $m\angle DBE = 4x - 10$. Write and solve an equation to find $m\angle ABC$ and $m\angle DBE$.

6)

How do you construct a perpendicular bisector of \overline{AB} ? Use three steps.

7)

The midpoint of \overline{AB} is in Quadrant IV, and \overline{AB} is parallel to the y -axis. What quadrant or quadrants cannot contain either point A or B ? Explain.