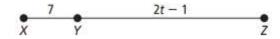
Name: _____ Date: _____ Block: ____

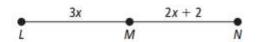
Point *C* does not lie on \overrightarrow{XY} . Can point *C* lie in the same plane as \overrightarrow{XY} ? Explain.

2)

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



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?

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