Given XY and M is the midpoint of $\overline{XY}$. Find Z. $XY = 40$

$3z - 4$

X   M   Y

5

Based on the given information, what can you tell us about the two segments?

A   3cm   B   C   3cm   D

6

$\overline{LH}$ bisects $\overline{GK}$ at M. GM = 2x +6 and GK = 24. Find x.

7

L is the midpoint of segment MN. If ML is 5x-7 and LN is 3x+4, find the length of ML, LN, and MN.

8