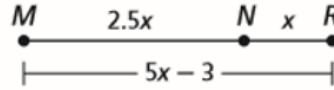


H Geo Homework – on a paper to turn in  
Due Tuesday 8/7/2018

1. Find the length of MN and MR.



2. E is the midpoint of segment DF.  $DE = 2x + 4$  and  $EF = 3x - 1$ . Make a sketch to represent this information. Set up an equation and solve for the length of segment DF.
3. X is the midpoint of segment TW.  $TX = 10x + 3$ .  $TW = 25x - 19$ . Make a sketch to represent this information. Set up an equation and solve for the length of segment TX and segment TW.
4. Is it possible for two points to be noncoplanar? Explain.
5. Use a protractor to accurately construct the following angle. Be sure to label them appropriately and make straight lines.
- A.  $m\angle FGH = 15^\circ$       B.  $m\angle QRS = 75^\circ$       C.  $m\angle ANT = 168^\circ$