

Chapter 1.2 – Linear Measure / Distance & Midpoints “I Can”

Name: _____

LP.2, PL.5, T.8 –

- Calculate the length of segments using linear equations & the distance formula
- Explain & demonstrate the process to construct congruent segments.
- Calculate the midpoint of segments and use midpoints to find missing points.
- Explain & demonstrate the process to construct bisected segments.

Items in bold should be in your binder or turned in to me.

_____ **video notes**

_____ **worksheet**

_____ **worksheet 2**

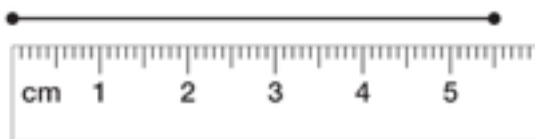
_____ **enrichment ws**

_____ pre-mc

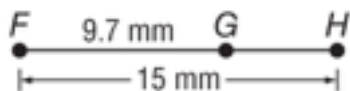
_____ **mastery check**

Pre-mc:

1. Find the length of the line segment.



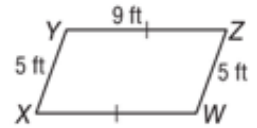
2. Find the length of GH.



3. Find the value of x and YZ if Y is between X and Z and $XY = 4x$, $YZ = 3x$, and $XZ = 42$.

Geometry

4. Determine whether segments WX and WZ are congruent.



5. Find the distance and midpoint between the points $L(5,12)$ and $P(-3,8)$.
6. Find the coordinates of the missing endpoint if W is the midpoint of BR .
- $B(4,1)$ and $W(-6,8)$
7. Plot 3 different points on a graph. Label your points G, H, K . Connect the points to make a triangle. Find the length of each side of your triangle and explain the method that you used.
8. Know how to construct segments of various lengths using a compass & straightedge.