

Geometry

Unit 4.3 – Parallel/Perpendicular Lines & Distances I Can Sheet

Standards: PL.1, PL.5

I Can...

- Describe the relationship of the slopes of parallel/perpendicular lines
- Calculate the equations of parallel & perpendicular lines
- Find the distances between lines
- Construct the distances between points & lines using a compass

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

_____ **video notes (3)**

_____ **book assignment**

_____ extra videos

_____ **Desmos activity (code on weebly)**

_____ extra worksheets

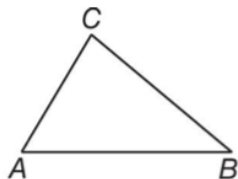
_____ pre-mc

_____ **mastery check**

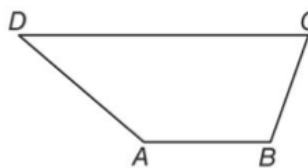
Pre-MC:

Construct the segment that represents the distance indicated.

1. C to \overleftrightarrow{AB}



2. D to \overleftrightarrow{AB}



Geometry

Find the distance between each pair of lines with the given equations. (graphing may help you visualize!)

2. $y = 8$
 $y = -3$

3. $y = x + 3$
 $y = x - 1$

Graph line r , then construct a perpendicular segment through point P . Then find the distance from the point to line.

4. Line r contains points $(3,5)$ and $(7,9)$. Point P has coordinates $(2,10)$.

5. Line r contains points $(-2,4)$ and $(1, -9)$. Point P has coordinates $(14, -6)$