

Geometry on the Plane Menu Task:

Build as *few* ordered pairs as possible to satisfy each constraint at least once.

Include any calculations to justify your explanations and/or graphs

A.	The slope between two of the points is positive	B.	The distance between two of the points is between 10 and 15 units
C.	The midpoint between two of the points is in Quadrant III	D.	Three of the points form a right triangle
E.	Four of the points make a parallelogram with no right angles	F.	Three points form a triangle whose altitude contains the point (1,7)

Which constraints pair nicely?

Which constraints cannot be paired?

Is it possible to solve in 2, 3, or 4 ordered pairs?

Describe how and why you built each ordered pair.

Be sure to identify which ordered pairs satisfy which constraints.

