	Name: Date:
For this activity you will need to download the "the blog. One group will copy on the grid paper, the ENO Board. All students must turn in a paper Both the Eno students and the group are encountries."	, while 1 or 2 people may do the work on er copy of their work at the end of class.
1. Draw a segment with endpoints C(3, 0) and	D(4, 3).
2. What is the slope (as a fraction) of segment	CD?
3. What is the length of segment CD (prime fac	tored)?

4. Draw a line extending through points $E(9, 3)$ and $D(4, 3)$ to the	ne edge of th
paper.	
5. What is the slope (as a fraction) of segment ED?	
6. What is the length of segment ED (prime factored)?	

- 7. Draw a ray with endpoint E(9, 3) that also extends through F(9, 0).
  8. What is the slope (as a fraction) of segment EF? \_\_\_\_\_\_
  9. What is the length of segment EF (prime factored)? \_\_\_\_\_\_
- 10. Draw a line extending through points G(6, -1) and C(3, 0) to the edge of the
- 11. What is the slope (as a fraction) of segment GC? \_\_\_\_\_
- 12. What is the length of segment GC (prime factored)? \_\_\_\_\_
- 13. Draw a ray with endpoint E(9, 3) that also extends through H(8,0).
- 14. What is the slope (as a fraction) of segment EH? \_\_\_\_\_
- 15. What is the length of segment GC (prime factored)? \_\_\_\_\_
- 16. How many planes were created? \_\_\_\_\_

17. Name the planes created:,,,,,
18. Are any of the planes a quadrilateral (if so name the plane)?
19. How many of the planes are polygons?
20. What is the relationship between the slopes for line GC and segment CD?
21. What is the relationship between the slopes for segment CD and ray EH?
22. What conjecture can you make regarding line GC and segment CD?
23. What conjecture can you make regarding segment CD and ray EH?
Keywords: Distance Postulate, Slope, points, segments, rays, lines, planes, Parallel, Perpendicular, Quadrilateral, polygon, conjecture, coordinates and coordinate plane.