HGeo Chapter 1 BI Online Review

- know the undefined terms and why they are undefined
- be able to define terms such as postulate, theorem, transformation, angle, isometry, midpoint, etc...AND know how to identify lines, planes, rays, midpoints, bisectors, etc...



- 3. Angles 1 and 2 form a linear pair. Draw this. If $m \angle 1 = 6x + 1$ and $m \angle 2 = 4x + 12$, find $m \angle 1$.
- 4. If $m \angle 2 = 3x 5$ and $m \angle 4 = 2x + 1$, find $m \angle 1$. BECAREFUL!!

F

5. Find the distance between (3, -1) and (2, 8).

E

D

- 6. The midpoint of AB is at M(3, -2) and with A(6, -9). Find point B.
- 7. Find the midpoint of of AB where A(-4, -10) and B(5, 13).
- 8. The midpoint of AB is at (-3, 2). If B is at (5, 8) find where A is.

9. Suppose you had 12 segments each 2 units long. What is the maximum area of a rectangle you can make with these pieces? (Use a guess and check method.)

Answers: 1. x = 22	2. x = 7.7, DE = 21.1	3. x = 16.7	4. x = 6, angle 1 = 167
5. √ <u>82</u>	6. (0, 5)	7. (1/2, 3/2)	8. (-11, -4)

9. 36 sq units

