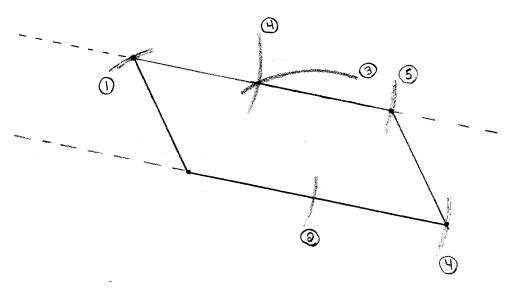
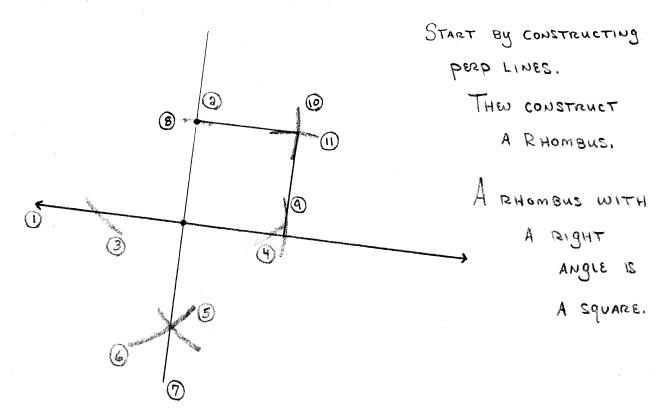
Show all work to receive full credit. Supply explanations when necessary.

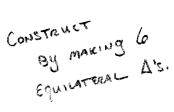
1. (1 point) Sketch two line segments that share a common endpoint and make an obtuse angle. Then use only a compass and straightedge to construct a parallelogram with your segments forming two adjacent sides.

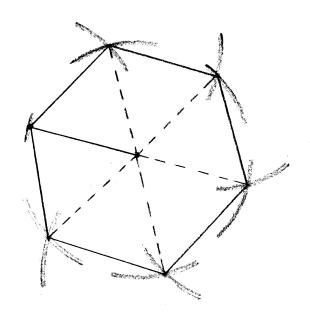


2. (1 point) Using only a compass and straightedge, construct a square.

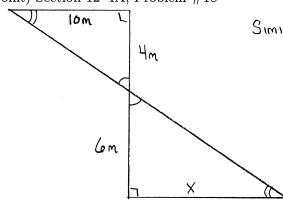


3. (1 point) Using only a compass and straightedge, construct a regular hexagon.





4. (1 point) Section 12–4A, Problem #18



Similar D's By AAA.

$$\frac{6}{4} = \frac{x}{10} \Rightarrow x = \frac{60}{4}$$
$$= 15 \text{ m}$$

5. (1 point) Section 12-4A, Problem #19

8412

$$\frac{84}{13} = \frac{x}{36}$$