

2014-10-02

Chapter 3

Constructions

Objective: To perform basic constructions today.

Today we will learn to duplicate line segments
and angles.

Get out Textbooks and Comp Books!

Please take out your **compass** and **straight edge!**



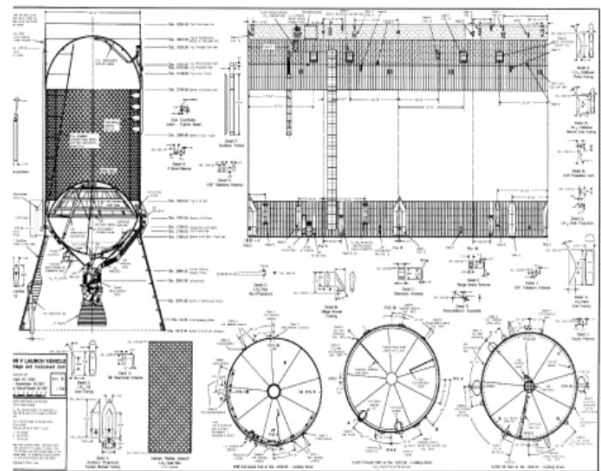
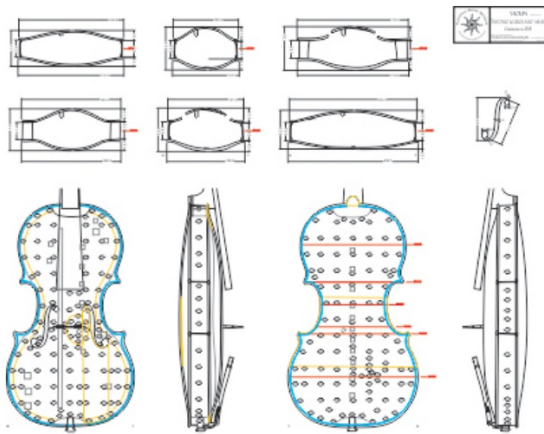
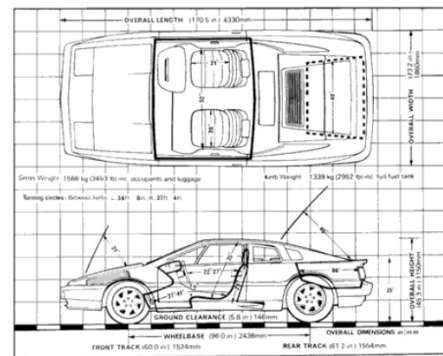
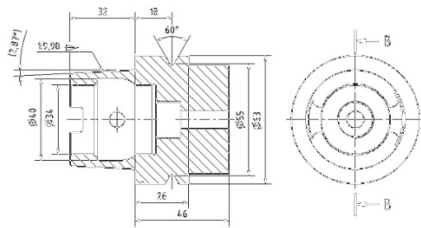
Constructions are made with a
Straight Edge and a Compass.

They are **not measurements!**
(i.e. not made with ruler or protractor)

Constructions are the first step in
"drafting" technical drawings!

Question 1: What is helping you be
successful in this class?

Question 2: What could be improved?



The important thing about drafting is:

Everything starts with a straight line!

(or segment, or ray)

Copy a segment



Copy a segment

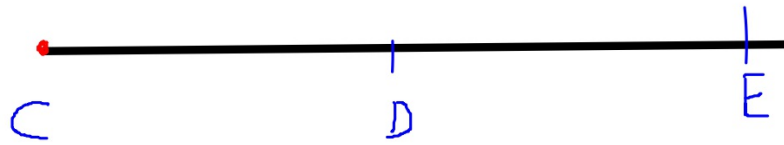


$$AB = CD$$

$$2AB = CF$$



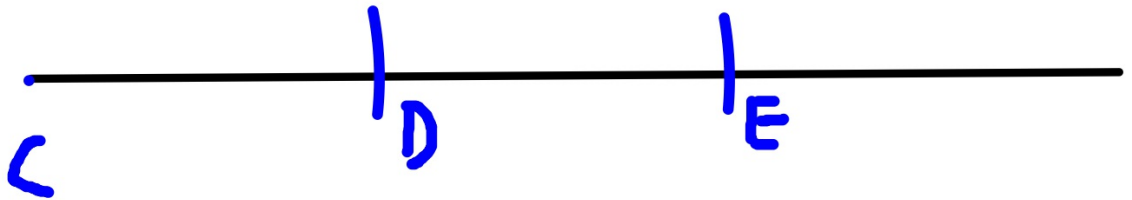
Copy a segment



Copy a segment

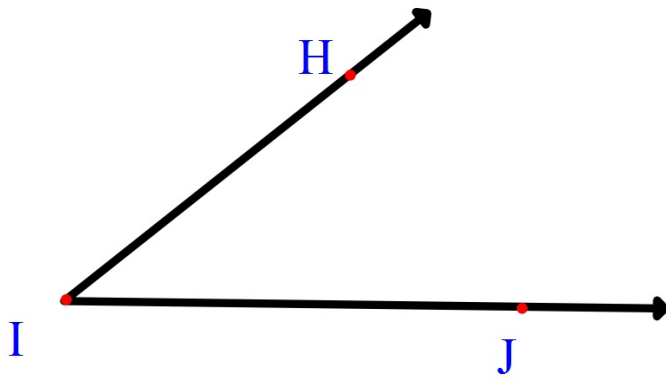


$$\overline{AB} \cong \overline{CD}$$

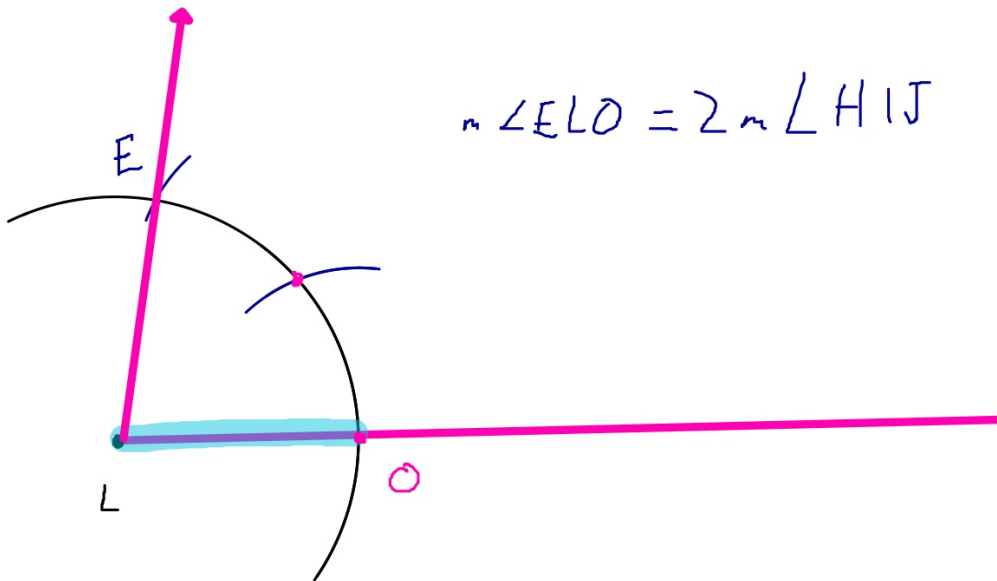
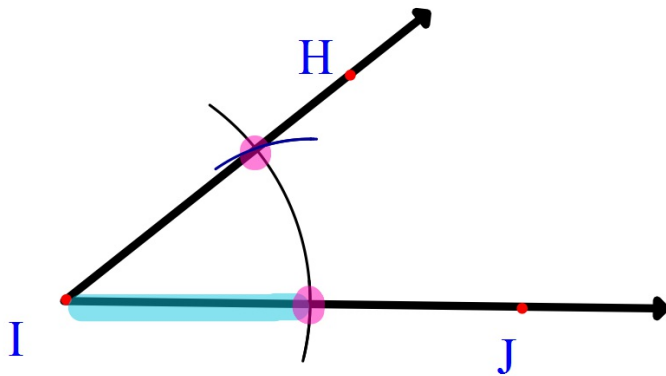


$$\angle AB = \angle E$$

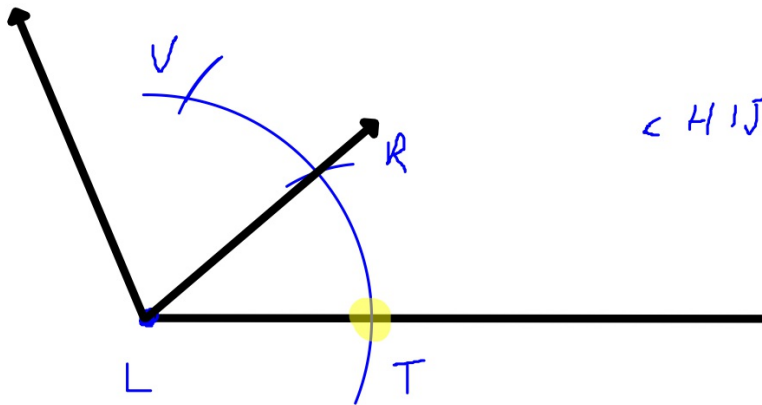
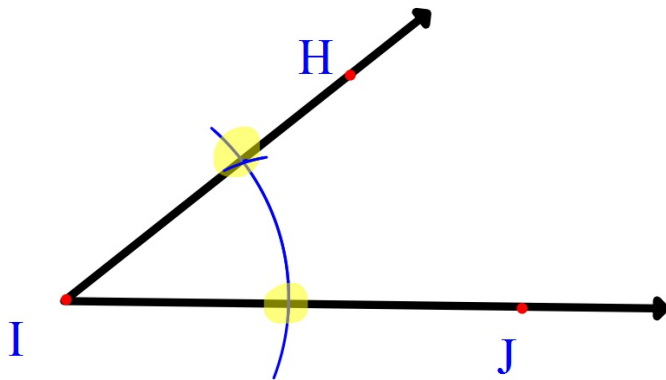
Copy an angle



Copy an angle



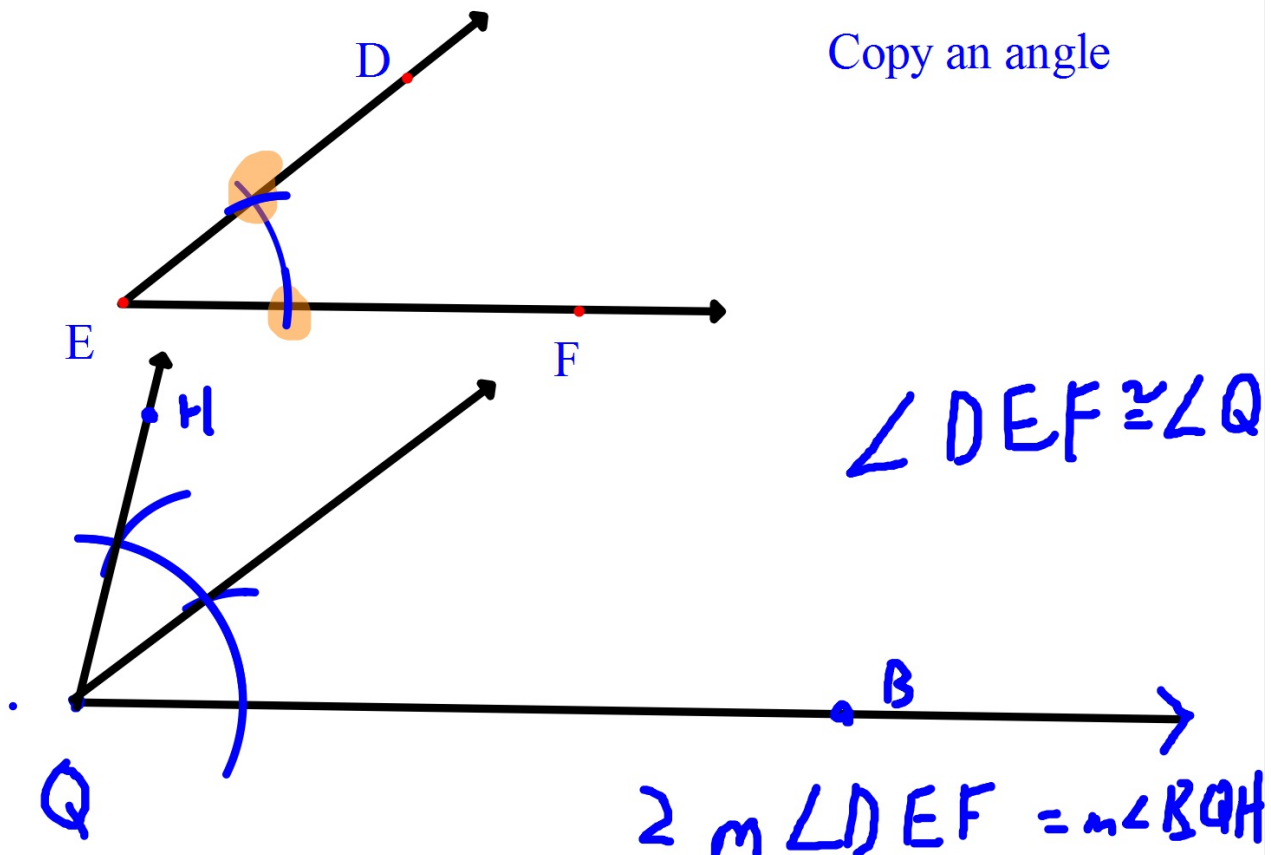
Copy an angle



$$\angle HIJ = \angle V \quad \angle R \cong \angle RLT$$

$$\angle VLT = 2\angle HIJ$$

Copy an angle



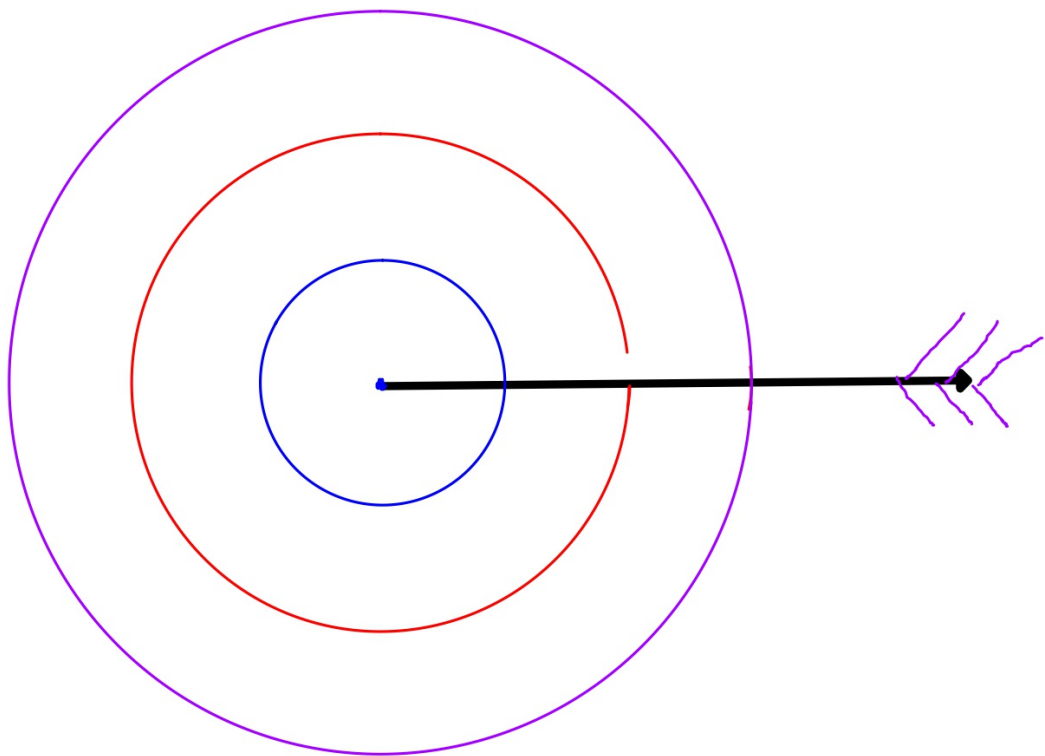
$$\angle DEF \cong \angle Q$$

$$2 m \angle DEF = m \angle BQH$$

Make a bullseye with rings the same distance!

Make a bullseye with rings the same distance!

Make a bullseye with rings the same distance!



HW: p. 147 #1-8, 10, 12

Bring your compass everyday!

Period 6

- Discussion of problems
- Asking questions
- Making Connections to previous material
- Making most of Group Work
- Reviewing / Bringing in Question
 - Keeping good notes / Organization
- Asking for Help
- Being Engaged
- Attendance
 - Go over more homework
 - Switchup Groupwork
 - More analysis
 - Study Guide
 - Topic List
 - Personal Reflection/ What do I know?
 - Check homework answers