Construction Worksheet #1

1) Copy a segment: Copy AB at C and label it CD. Copy EF twice at G and label it GI.

 •

B

 •

 C

•

A • •

 E G

•

 F

2) Copy an angle: Copy $∠$R at T, copy $∠$Q at S

R

 Q

• •

T S

3) Make a segment of length AB+EF 4) Make an angle that is twice $∠$R

• •

5) Construct an equilateral triangle with sides 6) Construct a triangle with $∠$R between AB and EF

equal to EF

7) Bisect a segment: Bisect HJ, Bisect KL to find M. Then bisect ML

 •

• L

H

 •

 J

 •

 K

8) Bisect the angles

9) Construct a 45° angle on the line below (hint: construct a perpendicular bisector, then bisect)

 • • • •

 R T L M

 P

10) Construct a line segment of ½ LM + RT 11) Copy ½ ∠P on Y

• •

 Y