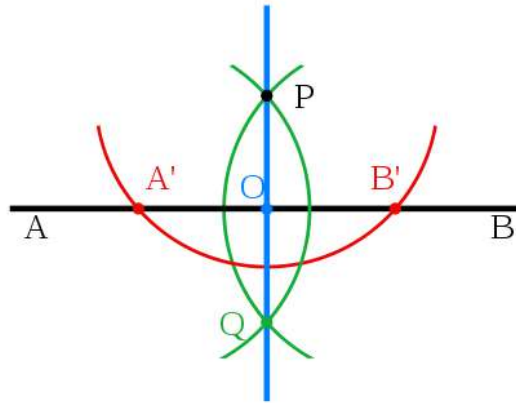


Geometry Constructions



Speed Construction with explanation (visual only)	Constructions with explanations
 https://goo.gl/Z1c6Do	 https://goo.gl/B1PfpD

Skill	Step-by-step Instructions	QR Code
A. Copy a segment	http://www.mathopenref.com/printcopysegment.html http://goo.gl/ZUtYCB	
B. Copy an angle	http://www.mathopenref.com/printcopyangle.html http://goo.gl/R3GDSP	
C. Angle bisector	http://www.mathopenref.com/printbisectangle.html http://goo.gl/E060JG	

D. Perpendicular bisector of a segment	http://www.mathopenref.com/printbisectline.html http://goo.gl/Z3znbp	
E. Perpendicular line with point on the line	http://www.mathopenref.com/printperplinepoint.html http://goo.gl/D3rXvt	
F. Perpendicular line with point NOT on the line	http://www.mathopenref.com/printperpextpoint.html http://goo.gl/LFfCG7	
G. Parallel lines (point not on the line)	http://www.mathopenref.com/printparallel.html http://goo.gl/aRILN1	
H. Equilateral triangle inscribed in a circle	Method 2: http://mathbitsnotebook.com/Geometry/Constructions/CC_constructionEqui.html http://goo.gl/AmvkFO	
I. Square inscribed in a circle	http://www.mathopenref.com/printinsquare.html http://goo.gl/XNuKyJ	
J. Regular hexagon inscribed in a circle	http://www.mathopenref.com/printinhexagon.html http://goo.gl/AM56Ug	

Practice Constructions

A. Copy a segment

Construct a segment congruent to $\overline{AB}$.

1.



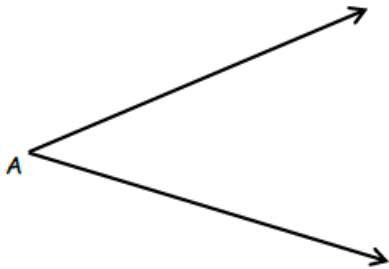
2.



B. Copy an angle

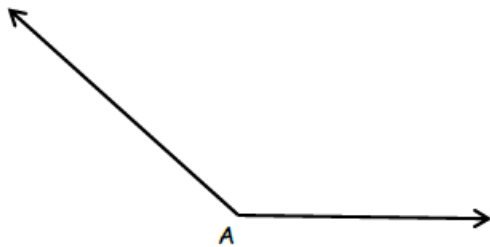
Construct an angle congruent to $\angle A$.

1.



Your construction here:

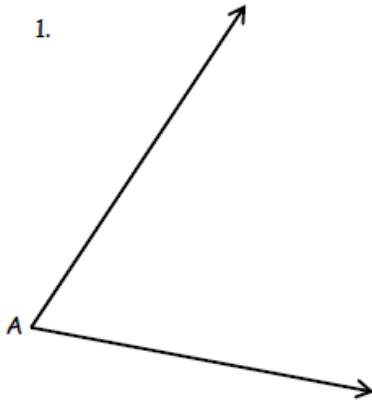
2.



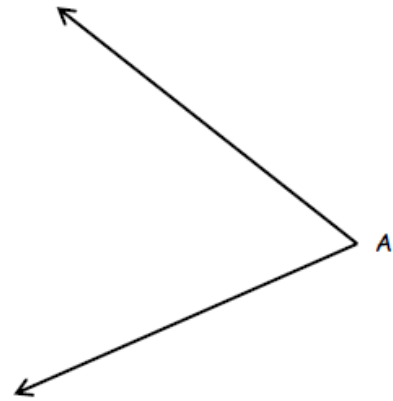
C. Angle bisector

Construct the angle bisectors for each of the following angles.

1.



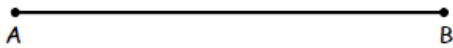
2.



D. Perpendicular bisector (segment bisector)

Construct the perpendicular bisector of each of the following line segments.

1.



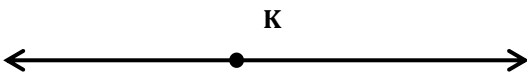
2.



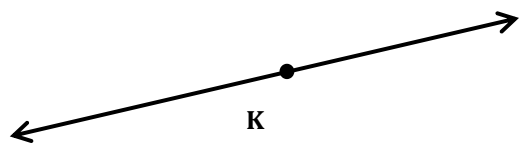
E. Perpendicular line with starting point on the main line

Construct a perpendicular line that goes through point K.

1.



2.



F. Perpendicular line with point not on the line

Construct a perpendicular line that goes through point K.

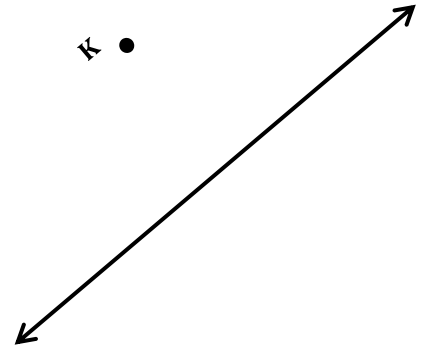
1.

K •



2.

K •



g. Parallel lines with point not on the line

Construct a line parallel to line m at point X in the following problems.

1.

X •



2.

X •



h. Equilateral triangle inscribed in a circle

Construct an equilateral triangle inscribed in a circle.

1.

2.

i. Square inscribed in a circle

Construct a square inscribed in a circle.

1.

2.

j. Regular hexagon inscribed in a circle

Construct a regular hexagon inscribed in a circle.

1.

2.