Name:	
Date:	_Per.:

Geometry Constructions #2

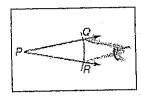
Page 33

CONSTRUCTION

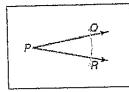
Copy an Angle

Step I
Draw an angle like ZP
on your paper. Use a
straightedge to draw
a ray on your paper.
Label its endpoint T. Step 1





Step 2 Place the tip of the compass.



Step 1
Draw an engle like ∠P
on your paper. Use a straightedge to draw. a ray on your paper.
Label its endpoint T.

Step 4
Place the point of your compass on R and adjust so that the pencil tip is on Q.

Step 5

Step 5

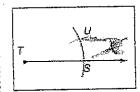
Without changing the setting place the compass at 5 and draw a large arc that intersects the ray. Label the point of intersection S.

Step 6

Use a straightedge to draw TU.

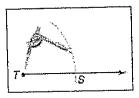
Without changing the setting place the compass at 5 and draw an arc to intersect the larger arc you draw in Step 3. Label the point of intersection U.

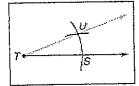
W do the construction yourself, here. Be sure to leave your marks to show that you actually



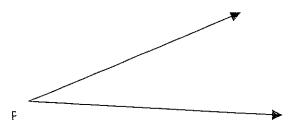
Animation and the second

Step 3 Using the same compass setting, put the compass at T and draw a large arc that intersects the ray.





Now do the construction yourself, here. Be sure to leave your marks to show that you actually did the construction.



Name:	
Date:	Per.:

Page 35 (animation at ca.ge netryonline.com)

CONSTRUCTION Bisect an Angle

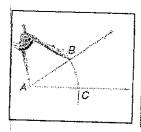
Step 1
Draw an angle and label the wertex as A. Put your compass at point A and draw a large arc that intersects both sides of ∠A. Label the points of intersection B and C.

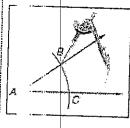


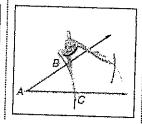
Step 3
Keeping the some
compass setting
place the compass
at point C and draw
an arc that intersects
the arc drawn in
Step 2.

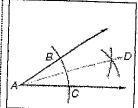
Step 4
Label the point of intersection D.

Draw \overrightarrow{AD} . \overrightarrow{AD} is the bisector of $\angle A$. Thus, $m\angle BAD = m\angle DAC$ and $\angle BAD \cong \angle DAC$.









Now do the construction your did the construction.

f, here. Be sure to leave your marks to show that you actually

