Arbitrary arc length

X   A

B

C

D

E

F

This technique will work w/ acute, obtuse, any # of divisions.

Y

1. Draw an arbitrary angle
2. Swing an arc to yield equal length legs
3. Draw a line X-Y 90deg to centerline of angle
4. Draw an arbitrary line from 1 of the intersection points. Any angle or length
5. Set your compass @ an arbitrary length, & measure the # of divisions req'd.
6. Construct a line from A to B
7. Construct lines parallel to A-B thru points C, D, E, F
8. You have just 5-sected an angle !