

8 - 2

Beginning Constructions

Today's Goals

- **Make formal geometric constructions with a variety of tools and methods (compass and straightedge, etc.).**

bisecting a segment
bisecting an angle

midpoint: point separating a segment into 2 equal parts

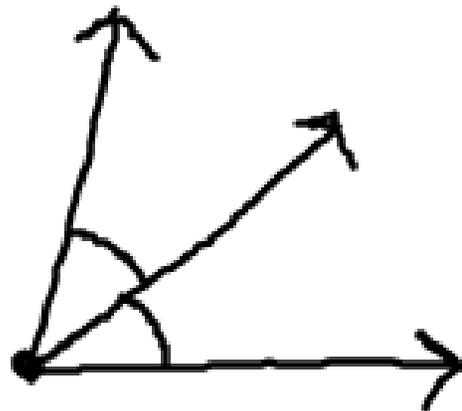


bisect: cut in half

perpendicular bisector: segment
perpendicular to another segment
through its midpoint



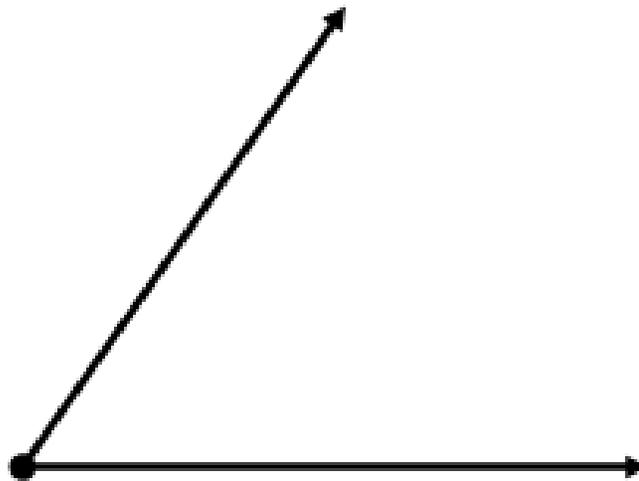
angle bisector:



**Use a compass and protractor to draw
a perpendicular bisector.**



**Use a compass and protractor to draw
an angle bisector.**



Copying a segment....



Use your compass and straightedge to construct an equilateral triangle without measuring the angles.