

The Basic Locus Theorems

A **locus** is _____

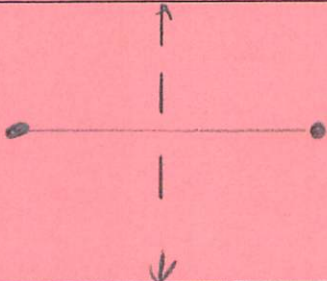
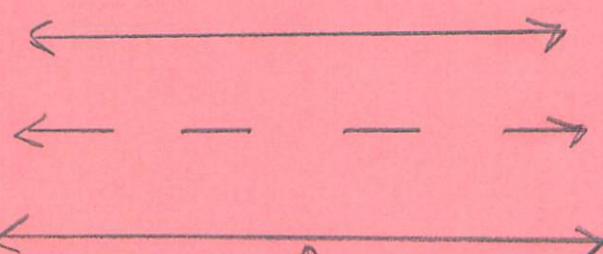
The Five Basic Locus Theorems

Theorem	Picture
1. Point:	
2. Line	
3. Two Points	
4. Parallel Lines	
5. Intersecting Lines	

The Basic Locus Theorems

locus is a set of points that satisfies a
certain condition

The Five Basic Locus Theorems

Theorem	Picture	Given Condition
1. Point: The locus of points d units away from point P is a circle with center P and radius d		
2. Line The locus of points d units from a line is 2 lines d units away on either side		Equidistant
3. Two Points The locus of points equidistant from 2 points is the $\perp$ bisector		
4. Parallel Lines The locus of points equidistant from 2 lines is a line midway between them		
5. Intersecting Lines The locus of points equidistant from 2 intersecting lines is a pair of $\angle$ bisectors	