

4-16-18

Aim: SWBAT get introduced to geometry terms AND construct angles using a protractor.

HW: Finish Both Worksheets
Circles Quiz tomorrow

Do Now: Pencil and Protractor

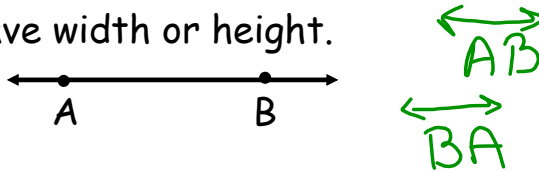
Intro to Geometry

Undefined terms: point, straight line, plane

Point: Simplest figure in geometry. A point has no dimensions (no length, no width, no height)



Line: A figure defined by two points that extend infinitely in both directions. A line has length, but it does not have width or height.

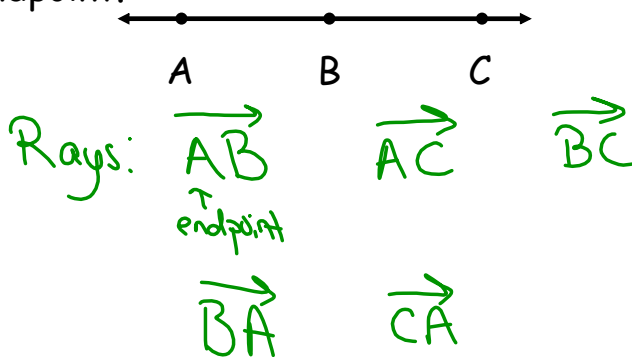


Subsets of a Line

Line Segment: A portion of a line containing two endpoints. A segment has length, but no width or height.



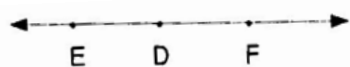
Ray: An infinite portion of a line that has one endpoint.



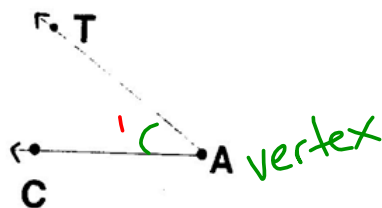
Order Matters for Rays

Angles

Collinear Rays: Rays that lie on the same line.



The rays below have the same endpoint, but are not collinear.



$\angle TAC$

$\angle CAT$

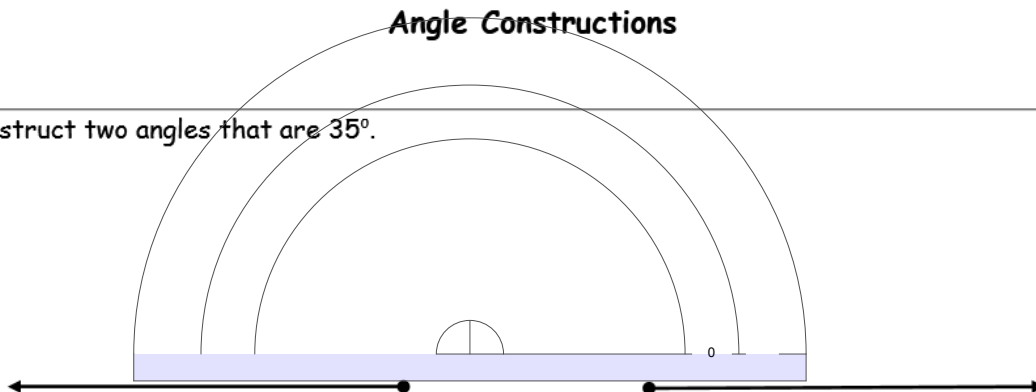
$\angle A$

$\angle 1$

Plane: A never ending flat surface in space. Three non collinear points determine a plane.

Angle Constructions

Construct two angles that are 35° .



Construct two angles that are 60° .



Construct two angles that are 90° .



Construct two angles that are 115° .



Angle Constructions

Construct two angles that are 72° .



Construct two angles that are 143° .



HOMWORK

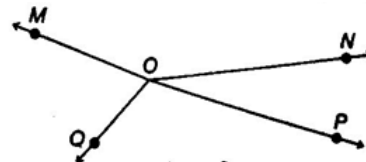
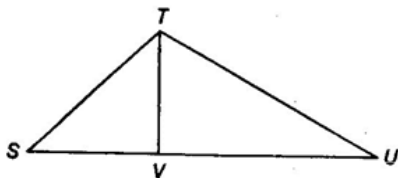
Basic Geometric Figures

Draw a picture. Write the symbol.

1. Draw segment AB.
2. Draw point X.
3. Draw ray OT.
4. Draw line YZ.
5. Draw lines CD and EF that are parallel.
6. Draw two lines that intersect at point Y.

Use the figures to find the answers.

7. Name the six segments shown in the picture.
8. Name the four rays shown in the figure.



9. Use the three points to name three different segments.
10. Which two lines appear to be parallel?

