

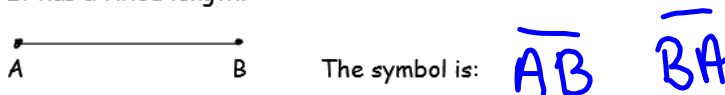
Math 7
Unit 8 - Day 100

Name: _____

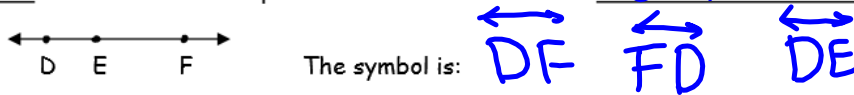
Geometry

Point: The most basic unit of geometry represented by a dot. It marks a location and has no width or dimension. It is named using a capital letter.

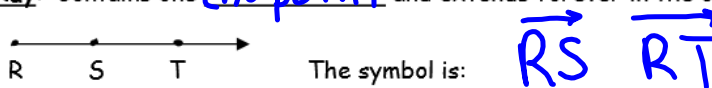
Line Segment: Part of a line with endpoints and all the points between. It has a fixed length.



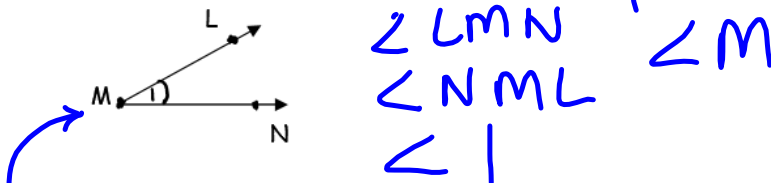
Line: An infinite set of points that extend forever in both directions



Ray: Contains one endpoint and extends forever in the other direction



Angle: Formed by two rays with a common endpoint.



Vertex: The point of an angle where two rays meet.

Acute Angle: An angle that measures less than 90°

Right Angle: An angle that measures 90° . It's symbol:

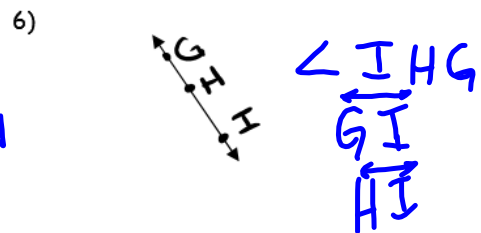
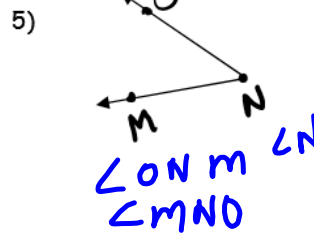
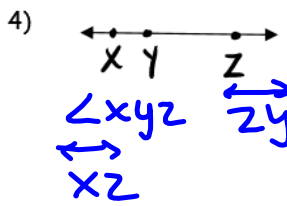
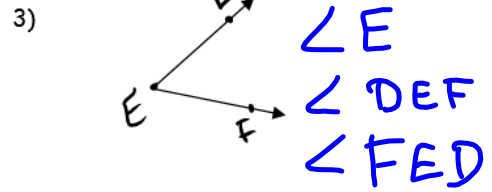
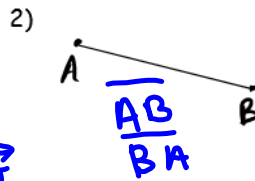
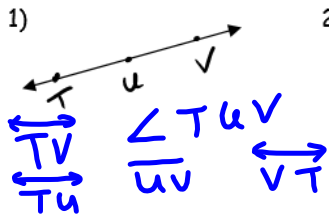
Obtuse Angle: An angle that measures greater than 90°

Straight Angle: An angle that measures 180°

Reflex Angle: An angle that measures greater than 180° , less than 360°



Name each of the following in two or three ways:



Classify each of the following angles by their type:

1) 34°
acute

2) obtuse

3) 90°
right

4) straight

5) 145°
obtuse

6) 180°
straight

7) acute

8) 245°
reflex

Use the diagram at the right to answer the questions below:

- Name two rays. \overrightarrow{BG} and \overrightarrow{CI} .
- Name two line segments. \overline{GB} and \overline{CD} .
- Name two lines. \overleftrightarrow{CE} and \overleftrightarrow{BH} .
- Name two right angles. $\angle HBC$ and $\angle ICD$.
- Name two acute angles. $\angle GBA$ and $\angle GBH$.
- Name two obtuse angles. $\angle HFE$ and $\angle GBC$.

