Geometry

1.5 Measuring and Constructing Angles

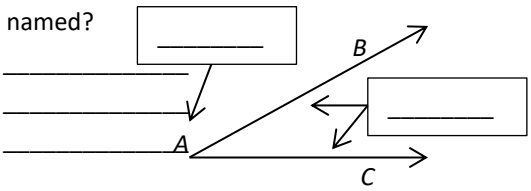
Angle

What is it like?

- Two _____ with common _____ (_____)
- Formed when two lines _____

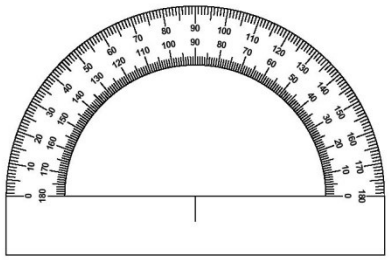
How is it named?

- _____
- _____
- _____



Protractor Postulate

A protractor can be used to _____



Angle Measure

What is it like?

- Difference of _____ of each ray on a _____
- m∠A = _____

How is it named?

- _____
- _____

Classifying Angles

Acute

- _____

Right

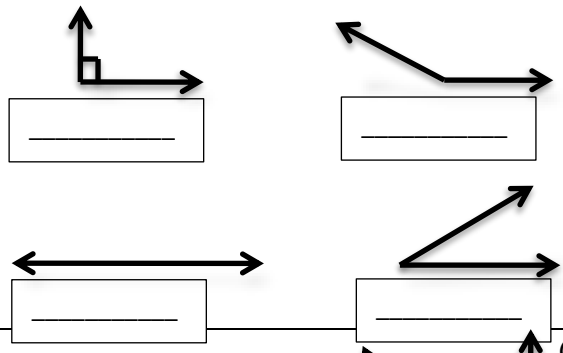
- _____

Obtuse

- _____

Straight

- _____



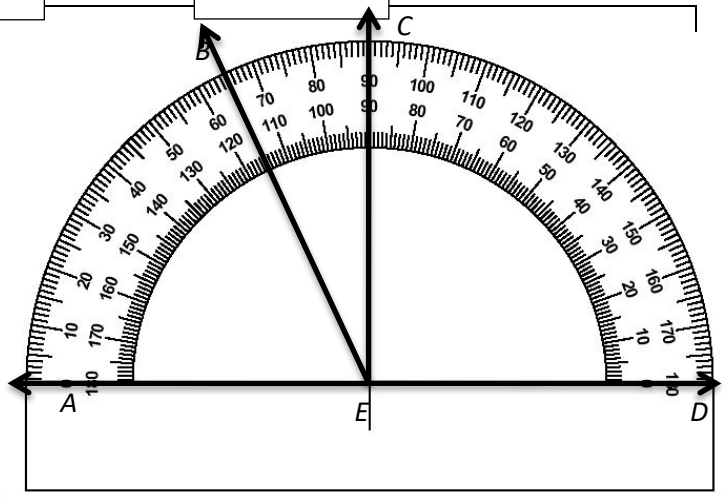
Find the measure of each angle and classify.

∠*DEC*

∠*DEA*

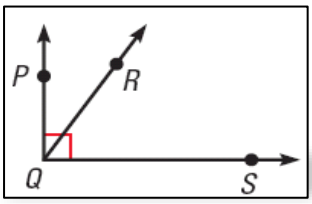
∠*CEB*

∠*DEB*



Geometry 1.6 Name: _____

Name all the angles in the diagram.

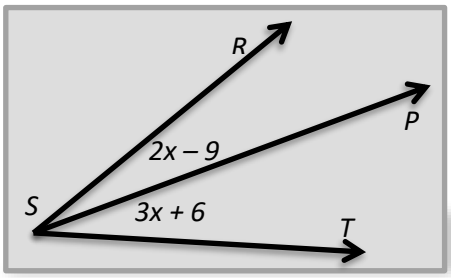


Which angle is a right angle?

Angle Addition Postulate

If *P* is in the interior of ∠*RST*, then _____

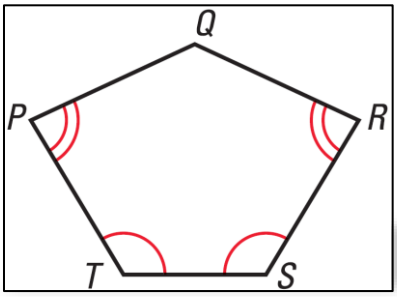
If m∠*RST* = 72°, find m∠*RSP* and m∠*PST*



Congruent Angles

- What is it like?
  - _____ _____
  - _____
  - _____
- What are examples?
  - _____
  - _____

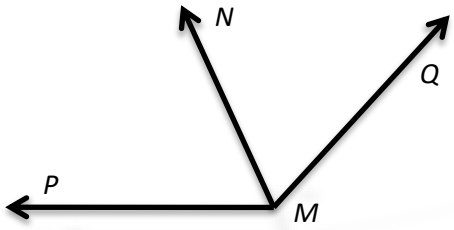
Identify all pairs of congruent angles in the diagram.



In the diagram, m∠*PQR* = 130° , m∠*QRS* = 84° , and m∠*TSR* = 121° . Find the other angle measures in the diagram.

Angle Bisector is a _____ that divides an angle into _____ angles that are _____.

$\overrightarrow{MN}$ bisects ∠*PMQ*, and m∠*PMQ* = 122°. Find m∠*PMN*.



Assignment: 41 #2, 4, 6, 8, 10, 12, 16, 18, 20, 22, 24, 26, 28, 32, 34, 36, 38, 46, 61, 69 = 20 total