$\qquad$

Naming Angles
An angle consists of two rays that have the same endpoint.

The rays are the sides of the angle.
The endpoint is the vertex of the angle.

Classifying Angles
Acute: measures between $0^{\circ}$ and $90^{\circ}$
Obtuse: measures between $90^{\circ}$ and $180^{\circ}$
Right: measure is $90^{\circ}$
Straight: measure is $180^{\circ}$

## Angle Addition Postulate

If you two angles are side by side, then the measure of the resulting angle will be equal to the sum of the two original angle measures.

$$
m \angle R S P+m \angle P S T=m \angle R S T
$$

Ex. 1 Name the angle in the figure.


Ex. 2 Name the angles in the figure.


Ex. 3 Classify the angles. Ex. 4


Ex. 5
Ex. 6


Ex. 7 Find the measure of $\angle P T M$.

$\qquad$ Block: $\qquad$
Name the angles in the figure.
1.



State whether the angle appears to be acute, right, obtuse, or straight.

| 4. $180^{\circ}$ | 5. $34^{\text {o }}$ | $6.100^{\circ}$ | 7. $9^{\circ}$ |
| :---: | :---: | :---: | :---: |
| 8. | 9. | 10. | 11. |

Find the measure of $\angle A B C$.


6.


Find the measure of the angle.


Vocabulary of Lines

| Word | Definition | Picture |
| :--- | :--- | :--- |
| Point | An exact location on a given <br> plane. |  |
| Line | Defined by two points and is <br> continuous. |  |
| Ray | Defined by one endpoint and is <br> continuous, |  |
| Line Segment | Two lines that intersect. |  |
| Intersecting Lines | Two lines that meet at a 90 <br> angle. <br> Perpendicular Lines |  |
| Parallel Lines | Two lines that never intersect <br> Symbol: $\\|$ |  |

## Problem-Based Task 1

a. Identify a line in the submitted logo.
b. Identify a ray in the submitted logo.
c. Identify a line segment in the submitted logo.

d. Identify two pairs of parallel line segments in the submitted logo.
e. Identify one pair of perpendicular lines in the submitted logo.

