
3. Vocabulary:
a) Alternate interior angles -

b) Alternate exterior angles
$\angle 10<7<2 \&<8$

$\begin{gathered}\text { c) Vertical angles - } \\ \angle 3<2<2\end{gathered}<8<6 \quad<4 \Rightarrow<1 \quad \angle 7 \dot{y}<5$
d) Consecutive interior angles -

every angle pair that forms a line
4. Find the measure of each missing angle if $m \angle 2=60^{\circ}$

$180-65-75=$ $40^{\circ}$
6.TASK: Construct any triangle and measure each angle. Construct a different triangle and measure each angle.
a)The sum of the measures of the interior angles of a

7. Find each missing angle.
a)



## 8. Find each missing angle.


9. Find $m \angle 1$


## Side/Angle Relationships:

The largest angle is always opposite the longest side. The smallest angle is always opposite the shortest side.
smallest to largest

List the angles in order,

$b=$ biggest
$c=$ middle
$q=$ smallest
10. Isosceles Triangles -

In the figure, $\overline{P L} \cong \overline{R L}$
and $\overline{L R} \cong \overline{B R}$


If $m \angle R L P=100$, find $m \angle B R L$
If $m \angle L P R=34$, find $m \angle B$

## Isosceles Triangle:

At least 2 sides (called the legs) of the triangles are congruent.


