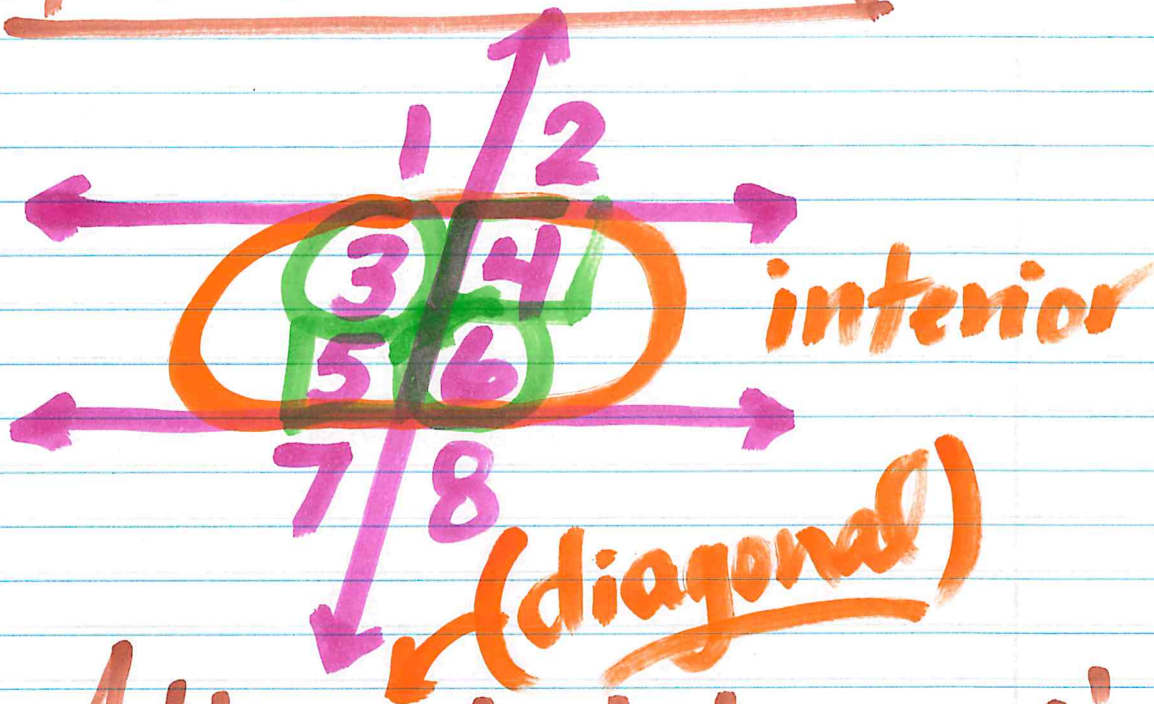


Transversals

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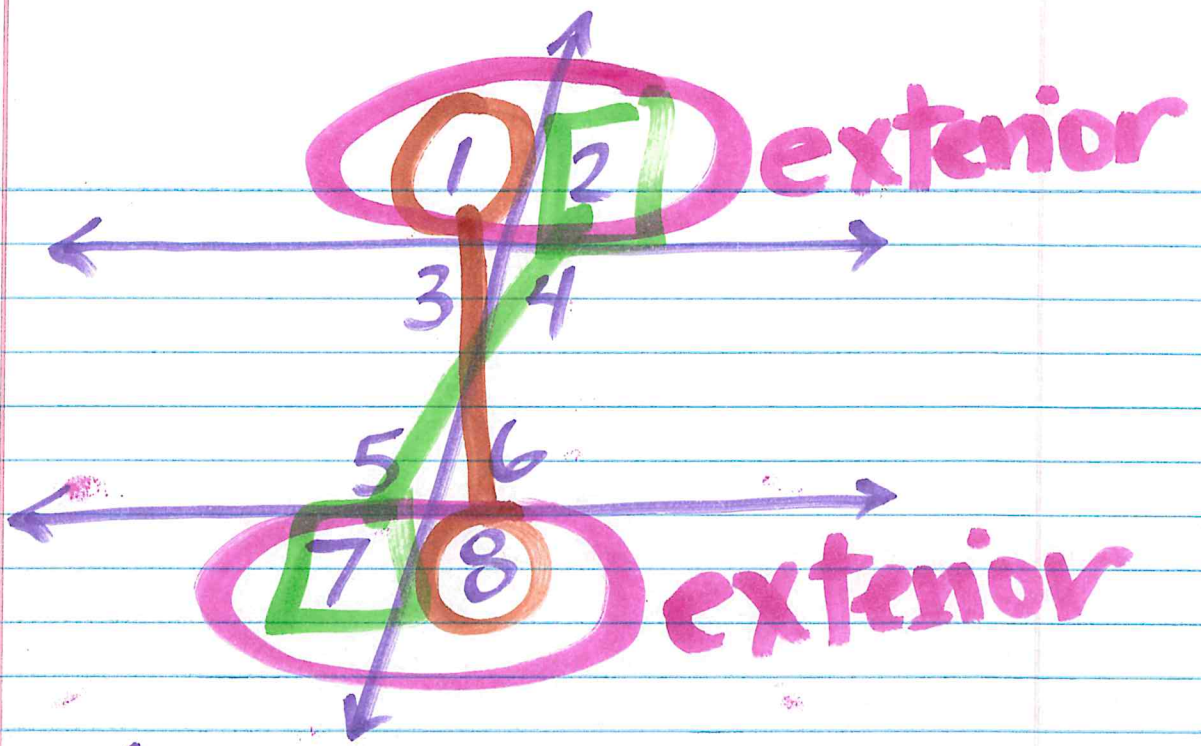


Alternate interior \angle 's
(alt. int. \angle 's)

$$m\angle 3 \cong m\angle 6$$

$$m\angle 4 \cong m\angle 5$$

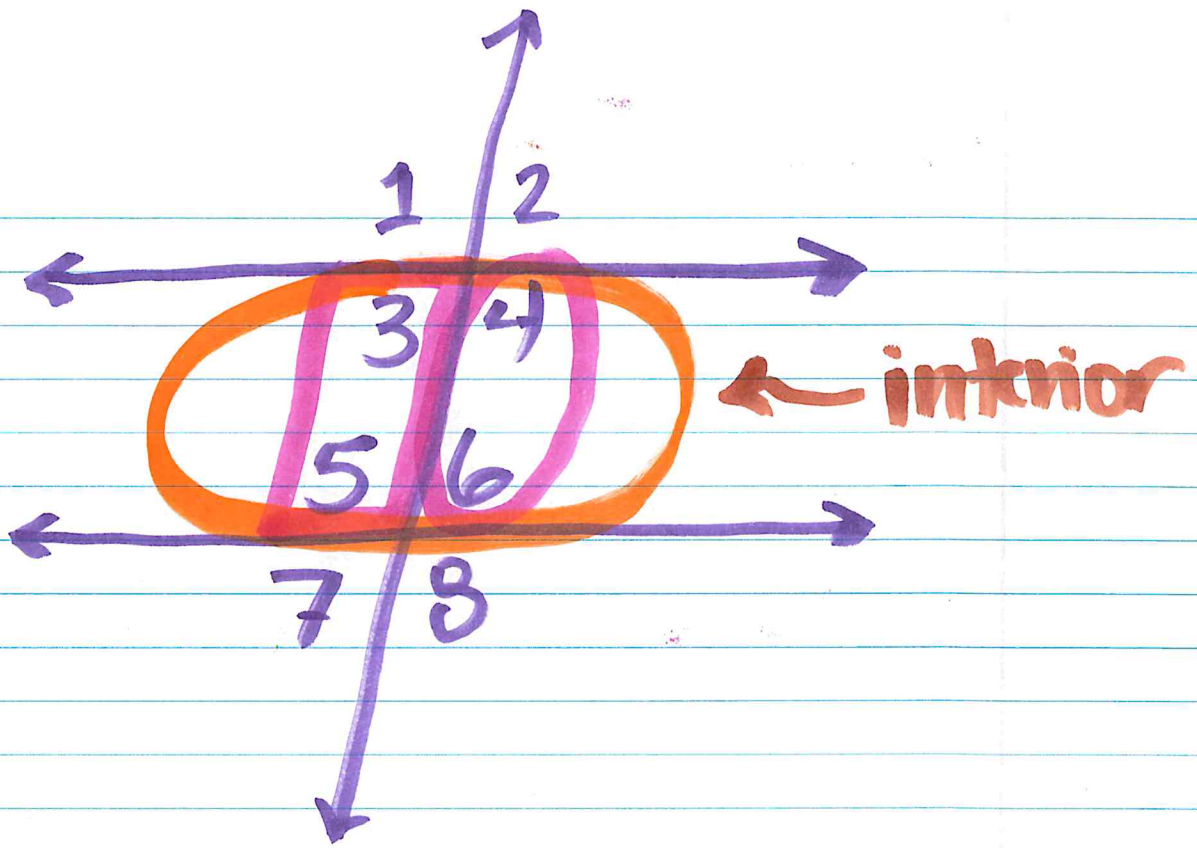




Alternate Exterior \angle 's
(Alt. ext. \angle 's)

$$m\angle 1 \cong m\angle 8$$

$$m\angle 2 \cong m\angle 7$$



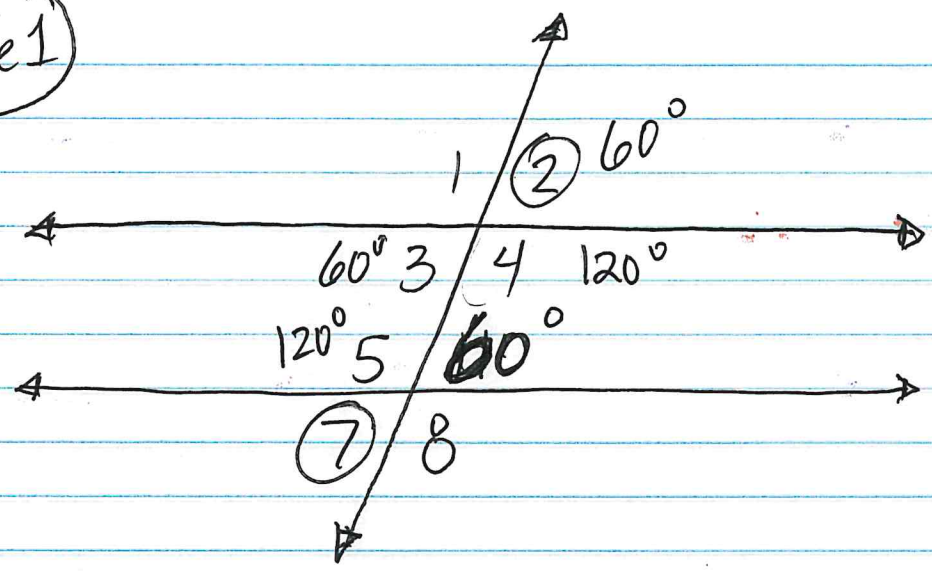
Same-side interior \angle 's
 (same-side int \angle 's)
 = 180°

$$m\angle 3 + m\angle 5 = 180^\circ$$

$$m\angle 4 + m\angle 6 = 180^\circ$$

ie 1

- Vertical \angle 's
- Supp. \angle 's
- Comp. \angle 's
- Corr. \angle 's
- Alt. int. \angle 's
- Alt. ext. \angle 's
- same-side int. \angle 's



$m\angle 1 = \frac{120^\circ}{\text{Reason} = \text{Vert. } \angle\text{'s}}$

$m\angle 2 = \frac{60^\circ}{\text{Reason} = \frac{\text{corr } \angle\text{'s}}{\text{Vert. } \angle\text{'s}}}$

$m\angle 3 = \frac{60^\circ}{\text{Reason} = \text{alt-int. } \angle\text{'s}}$

$m\angle 4 = \frac{120^\circ}{\text{Reason} = \text{alt-int. } \angle\text{'s}}$

$m\angle 5 = \frac{120^\circ}{\text{Reason} = \text{Supp. } \angle\text{'s}}$

$m\angle 6 = \frac{60^\circ}{\text{Reason} = \text{alt-ext. } \angle\text{'s}}$

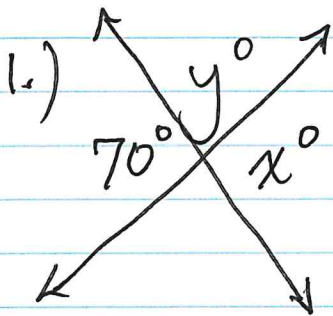
$m\angle 8 = \frac{120^\circ}{\text{Reason} = \text{alt-ext. } \angle\text{'s}}$

L 6/7

pgs. 33-36
#1-~~6~~ ALL

First Last Name
Houk

Vertical angles \therefore Supplementary \angle s

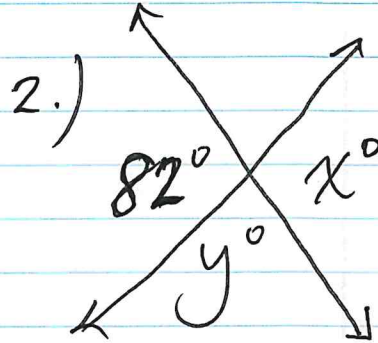


$$x = \underline{\hspace{2cm}}$$

$$y = \underline{\hspace{2cm}}$$

$= 90^\circ$

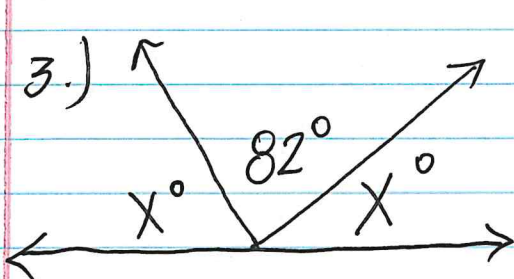
Complementary / Supplementary \angle s



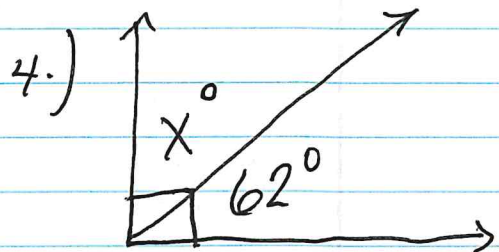
$$x = \underline{\hspace{2cm}}$$

$$y = \underline{\hspace{2cm}}$$

$= 180^\circ$



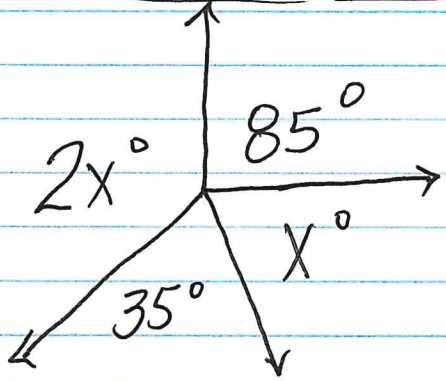
$$x = \underline{\hspace{2cm}}$$



$$x = \underline{\hspace{2cm}}$$

Hint: think circle = 360°

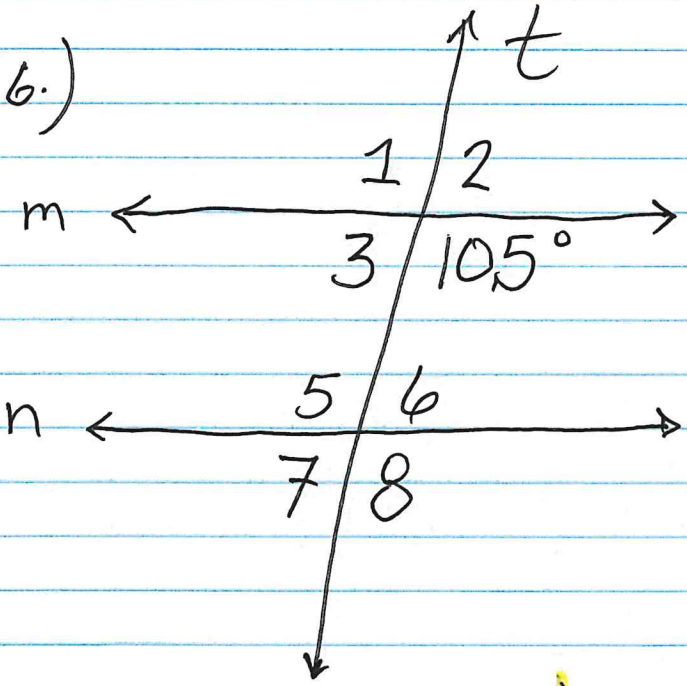
5.)



$x^\circ =$ _____

$2x^\circ =$ _____

6.)



- Vertical \angle 's
- ~~Complementary \angle 's~~
- Supplementary \angle 's
- Corresponding \angle 's
- Alternate Int. \angle 's
- Alternate Ext. \angle 's
- Same-Side Int. \angle 's

$m \angle 1 =$ _____
Reason = _____

$m \angle 5 =$ _____
Reason = _____

$m \angle 2 =$ _____
Reason = _____

$m \angle 6 =$ _____
Reason = _____

$m \angle 3 =$ _____
Reason = _____

$m \angle 7 =$ _____
Reason = _____

$m \angle 8 =$ _____
Reason = _____