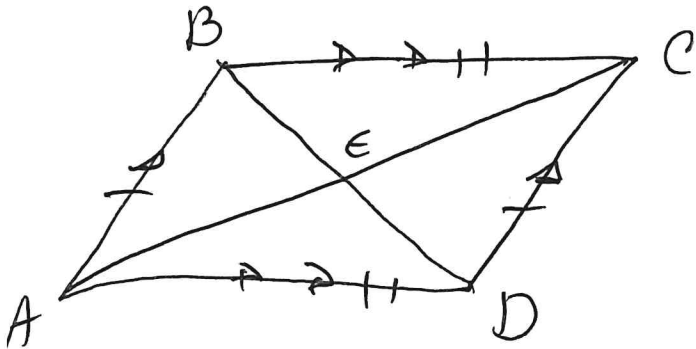


Lesson 28: Properties of Parallelograms

(1st)



$$\overline{AB} \parallel \overline{CD}$$

$$\overline{AB} \cong \overline{CD}$$

$$\overline{BC} \parallel \overline{AD}$$

$$\overline{BC} \cong \overline{AD}$$

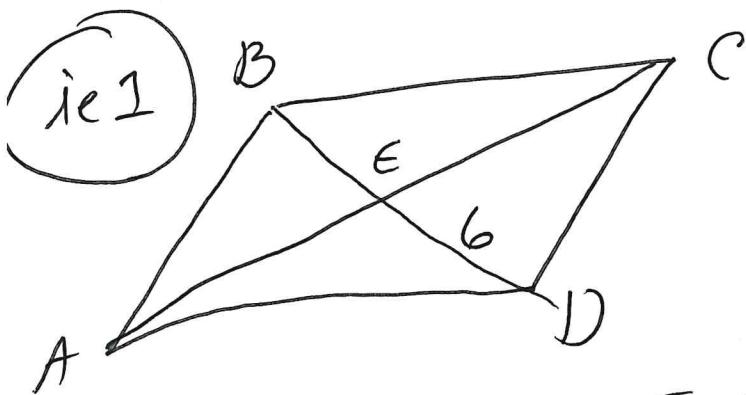
$$\angle B \cong \angle D$$

$$\angle A \cong \angle C$$

(2nd)

$$\overline{BE} \cong \overline{ED}$$

$$\overline{AE} \cong \overline{EC}$$



$$\overline{ED} = 6$$

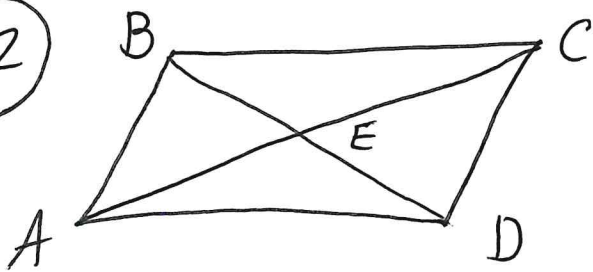
$$\overline{AE} = 8$$

Find = $\overline{BE} = 6$

$$\overline{EC} = 8$$

(1)

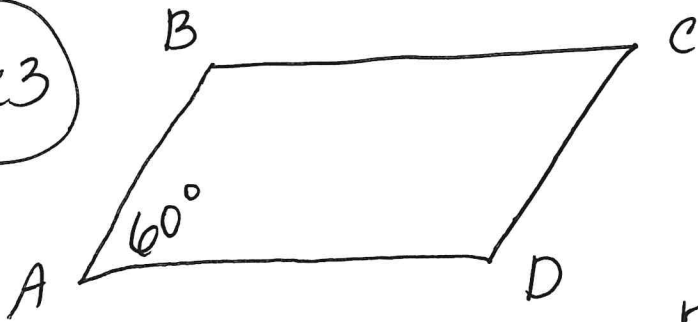
1e2



$$\overline{AB} = 8$$
$$\overline{BC} = 12$$

Find $\overline{AD} = 12$
 $\overline{CD} = 8$

1e3



$$m\angle A = 60^\circ$$

Find: $\angle B = 120^\circ$

$$\angle C = 60^\circ$$

$$\angle D = 120^\circ$$

Lesson (28) HWK pgs. 163 #1-4

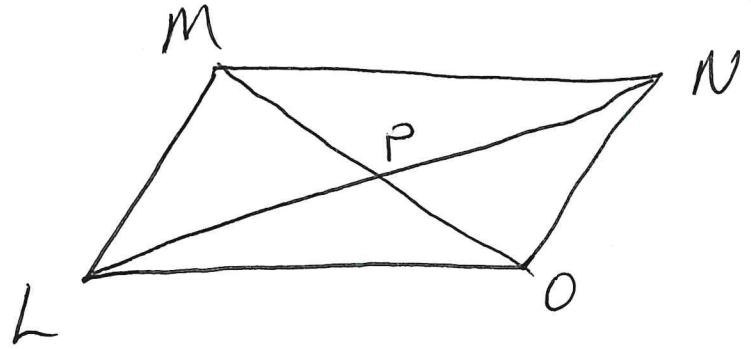
Name: _____

HR: _____

1.) Given $\triangleright \overline{MP} = 5$
 $\overline{LP} = 7$

Find $\triangleright \overline{PO} = \underline{\hspace{2cm}}$

$\overline{PN} = \underline{\hspace{2cm}}$

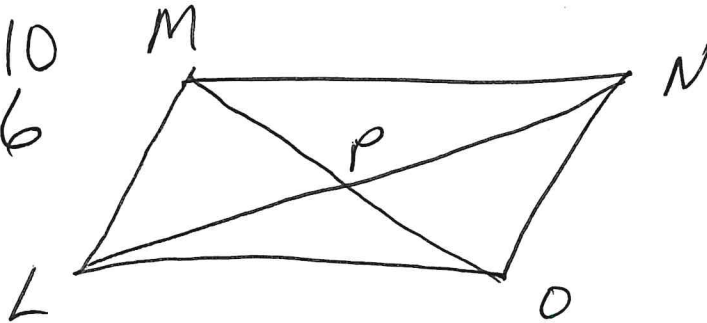


2.) Given $\triangleright \overline{MN} = 10$
 $\overline{ML} = 6$

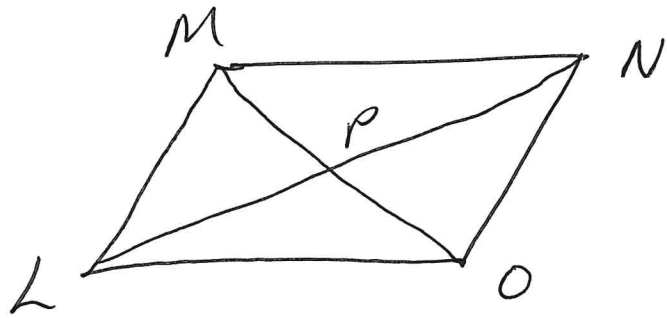
Prove \triangleright
Find

$\overline{LO} = \underline{\hspace{2cm}}$

$\overline{NO} = \underline{\hspace{2cm}}$



3.) Given $\triangleright \overline{LP} = 3$
 $\overline{MP} = 2$

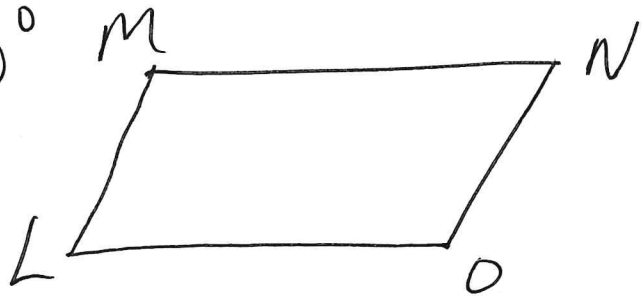


Find \triangleright

$$\overline{MO} = \underline{\hspace{2cm}}$$

$$\overline{LN} = \underline{\hspace{2cm}}$$

4.) Given $\triangleright \angle L = 50^\circ$



Find \triangleright

$$m\angle M =$$

$$m\angle N =$$

$$m\angle O =$$