Chapter 1

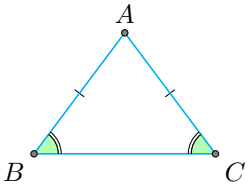
1.

- $\triangle ABC$: $[AB] \cong [AC]$

  $\Longrightarrow$ $\boxed{\triangle ABC \quad A}$

- $\triangle ABC$: $\angle B \cong \angle C$

  $\Longrightarrow$ $\boxed{\triangle ABC \quad A}$



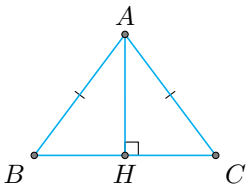
- $\triangle ABC$:

  $[AH]$ $\angle A$

  $\angle A$

  $[BC]$

  $\Longrightarrow$ $\boxed{\triangle ABC}$

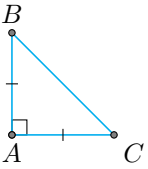


2.

$\triangle ABC$

$\triangle ABC$ A : $\hat{A} = 90°$

$\Longrightarrow$ $\boxed{\triangle ABC \quad A}$



3.

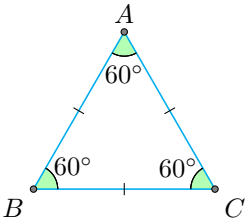
$\triangle ABC$

- $[AB] \cong [BC] \cong [AC]$

  $\Longrightarrow$ $\boxed{\triangle ABC}$

- $\triangle ABC$ $\widehat{A} = \widehat{B} = \widehat{C}$

  $\Longrightarrow$ $\boxed{\triangle ABC}$



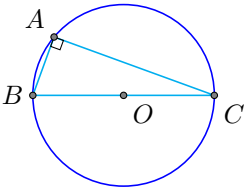
- $\triangle ABC$ $60°$

  $\Longrightarrow$ $\boxed{\triangle ABC}$

4.

- $\triangle ABC$ $\widehat{A} = 90°$

  $\Longrightarrow$ ABC A



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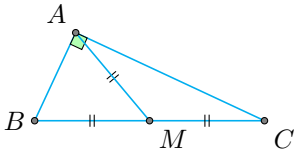
- $\triangle ABC$

  $[AM]$

  $[AM] = \dfrac{[BC]}{2}$

  $\Longrightarrow$ $\triangle ABC$ A

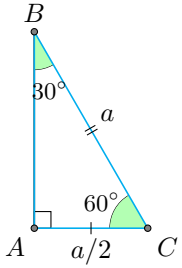


5.

- $\triangle ABC$ A

  $\widehat{B} = 30°$ ($\widehat{C} = 60°$)

  $\Longrightarrow$ $\boxed{\triangle ABC}$



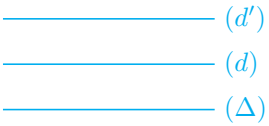
- ABC $|AC| = \dfrac{|BC|}{2}$

  $\Longrightarrow$ $\boxed{\triangle ABC}$

1.

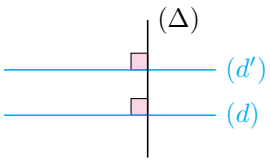
$(d) \parallel (\Delta)$

$(d') \parallel (\Delta)$ $\Longrightarrow$ $\boxed{(d) \parallel (d')}$



2.

$(d) \perp (\Delta)$
$(d') \perp (\Delta)$
$\Longrightarrow$ $\boxed{(d) \parallel (d')}$

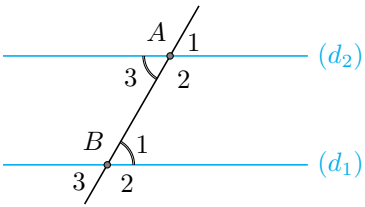


3. $(d) \parallel (d')$ (Δ)

$\widehat{A_1} = \widehat{B_1} \Longrightarrow (d) \parallel (d')$

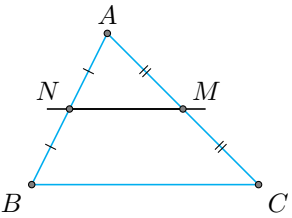
($\widehat{A_3} = \widehat{B_1}$) ( )

($\widehat{A_2} + \widehat{B_1} = 180°$) ()



4.

ABC
$M \quad [AC]$
$N \quad [AB]$
$\Longrightarrow (MN) \parallel (BC)$

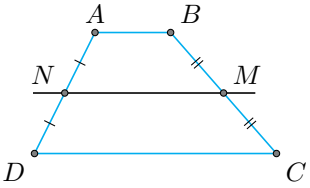


5.

- $\triangle ABC$

  $[MN]$

  $\Longrightarrow (MN) \parallel (BC)$, $|MN| = \dfrac{|BC|}{2}$



- $ABCD$

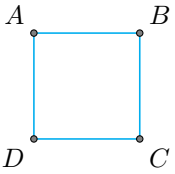
  $[MN] \Longrightarrow \begin{cases} [MN] \parallel [AB] \parallel [CD] \\ |NM| = \dfrac{|AB| + |CD|}{2} \end{cases}$

6. ()

$ABCD$

( )

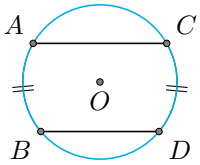
$\Longrightarrow$ $[AB] \parallel [CD]$



7.

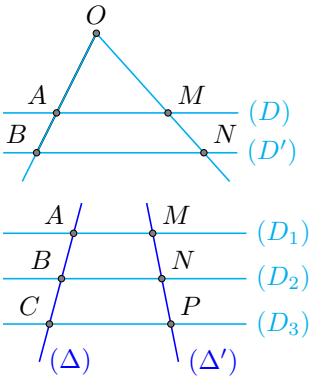
(S)

$\smile AB \cong \smile CD \implies [AC] \parallel [BD]$



8.

- (D) , (D') $\angle xoy$
  $\dfrac{|OA|}{|OB|} = \dfrac{|OM|}{|ON|}$
  $\implies (D) \parallel (D')$
- (D_1) , (D_2) , (D_3) (Δ)
  (Δ') $\dfrac{|AB|}{|AC|} = \dfrac{|MN|}{|MP|}$
  $\implies (D_1) \parallel (D_2) \parallel (D_3)$



1.1