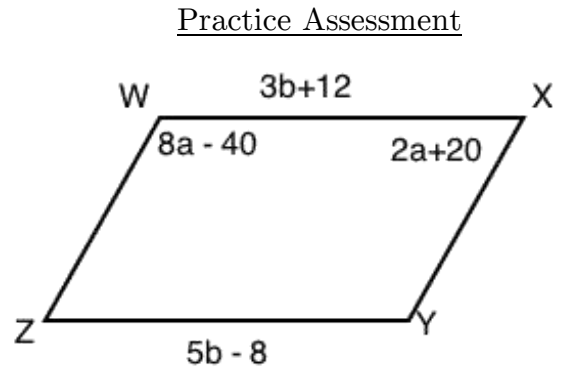


CO-C11a

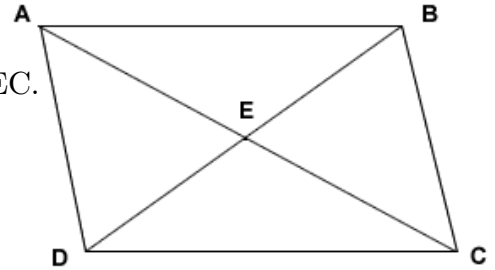
Consider parallelogram WXYZ.

- Find the measure of $\angle Z$
- Find the length of \overline{ZY}



Consider parallelogram ABCD with diagonals intersecting at E.

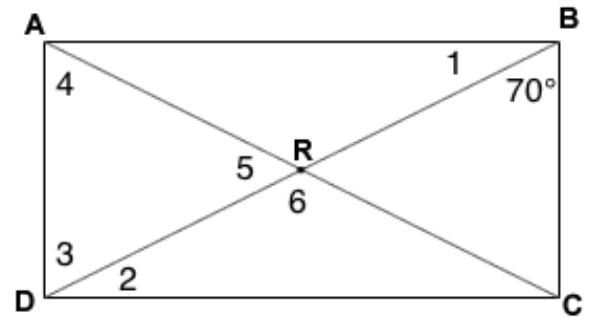
- If $AC = 12x - 6$, and $AE = 2x + 9$, find the length of EC.



CO-C11b

Consider rectangle ABCD for #4-5

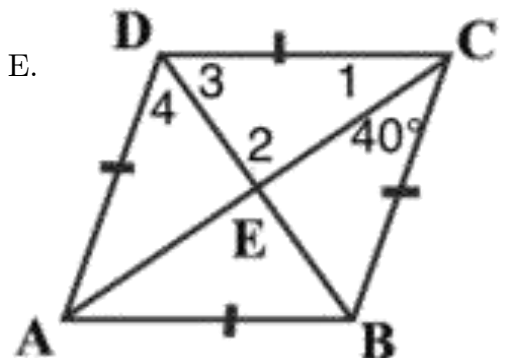
- If $AR = 4x - 2$ and $BR = x + 7$, find the length of AC.



- Find the angle measures:
 $\angle 1 =$ $\angle 2 =$ $\angle 3 =$
 $\angle 4 =$ $\angle 5 =$ $\angle 6 =$
- True or false (if false, write or show an explanation): All rectangles are squares.

- Consider rhombus DCBA with diagonals intersecting at E.

Find the angle measures
 $\angle 1 =$ $\angle 2 =$ $\angle 3 =$
 $\angle 4 =$ $\angle ABC =$

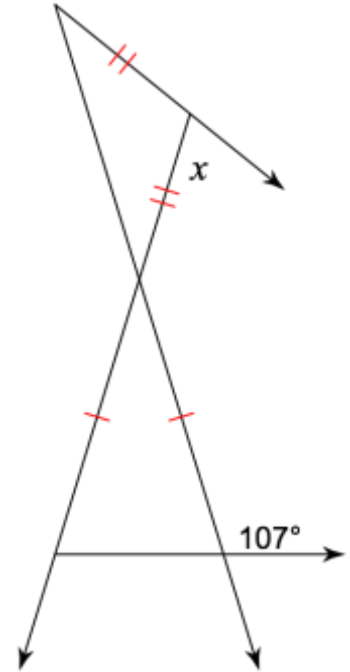


CO-C10a

8. Two remote interior angles of a triangle measure 51° and 33° . What is the measure of the exterior angle associated with the remote interior angles?

9. If a base angle of an isosceles triangle measures 30° , is the triangle acute, right or obtuse? Justify your answer.

10. Find the value of x in the figure:



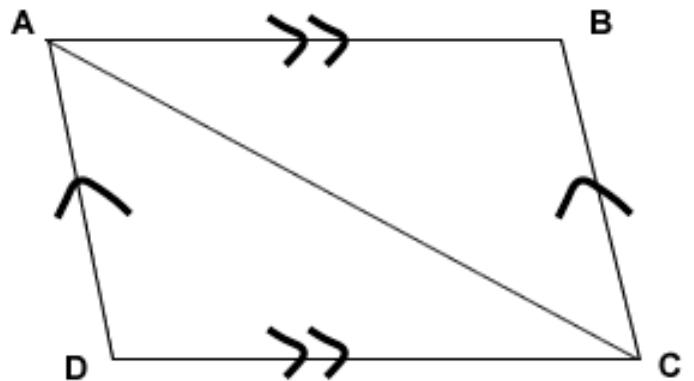
SRT-B5a

11. Complete the proof.

Given: $\overline{AB} \parallel \overline{CD}$ and $\overline{BC} \parallel \overline{DA}$

Prove: $\angle D \cong \angle B$

Statements	Reasons
1. $\overline{AB} \parallel \overline{CD}, \overline{BC} \parallel \overline{DA}$	1. Given
2. $\angle BAC \cong \angle DCA$	2.
3. $\overline{AC} \cong \overline{CA}$	3.
4. $\angle DAC \cong \angle BCA$	4.
5. $\triangle ACD \cong \triangle CAB$	5.
6. $\angle D \cong \angle B$	6.



Possible reasons: (may be used more than once)

Vertical angles	Congruent	Definition of bisect	CPCTC	Reflexive Property
HL	SAS	SSS	ASA	AAS
			SSA	AAA