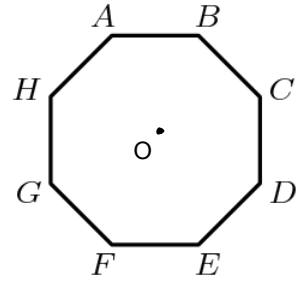


CO-A3b

Practice Assessment

- Given is a regular octagon. After a counterclockwise rotation of  $225^\circ$  about point  $O$ , to what point will  $E$  be carried onto?



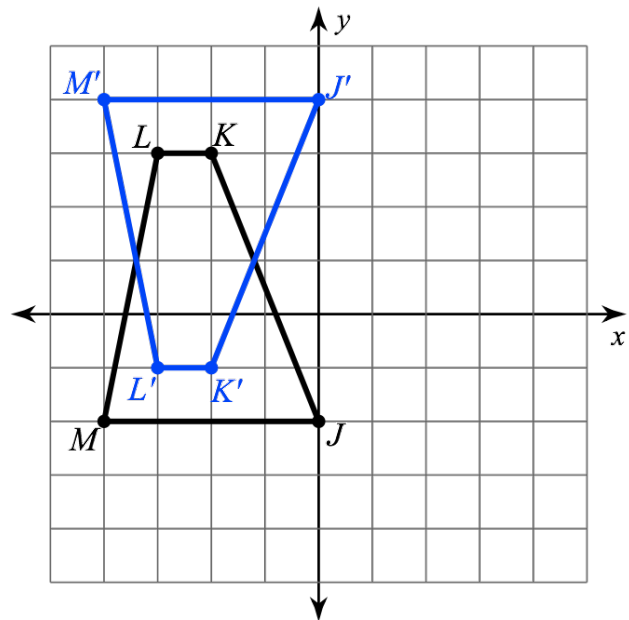
- Draw all lines over which a reflection would carry the trapezoid onto itself.



- Draw a quadrilateral with no lines of reflectional symmetry.

CO-A5b

- Write the equation of the line of reflection.

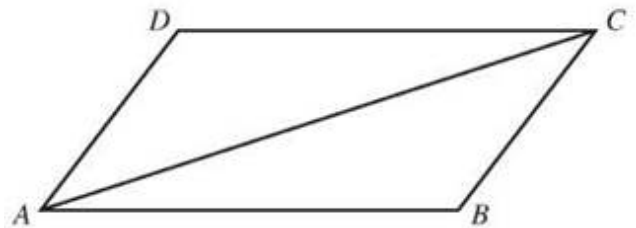


- Translate  $J'K'L'M'$  along vector  $\langle 3, -1 \rangle$ .

CO-B6b

- Which of the following transformations would carry  $\triangle ADC$  onto  $\triangle CBA$ ? Mark ALL that apply.

- Reflection across  $\overline{AC}$
- Translation along  $\overrightarrow{AC}$
- Rotation clockwise around point  $A$
- Rotation clockwise around midpoint of  $\overline{AC}$



CO-B7a

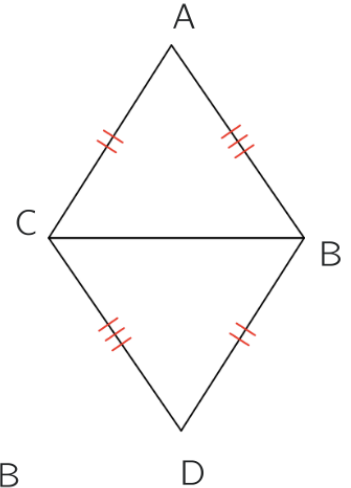
7. Given  $\triangle ADS \cong \triangle FOL$ .  $\angle A = 70^\circ, \angle O = 35^\circ$ . Find the measure of  $\angle L$ .

8. Given  $\triangle ABC \cong \triangle PSL$ ,  $AB=15, SL=4x-4, PL = 10$ , and  $BC=12$ . Find the value of  $x$  and find the perimeter of  $\triangle PSL$ .

CO-B8a

9. Which criteria can show these two triangles are congruent?

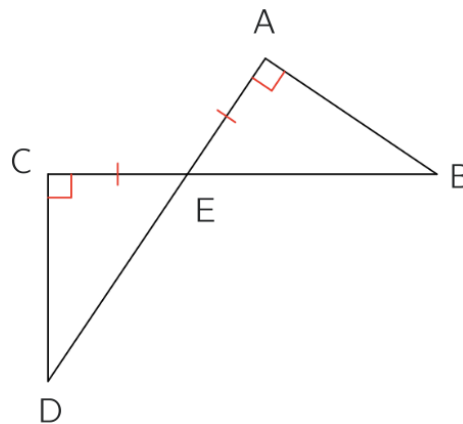
10. Complete the congruence statement:  $\triangle ABC \cong \triangle \_\_\_\_\_\_$



11. Which criteria can show these two triangles are congruent?

12. Complete the congruence statement:  $\triangle ABE \cong \triangle \_\_\_\_\_\_$

$\triangle ABE \cong \triangle \_\_\_\_\_\_$



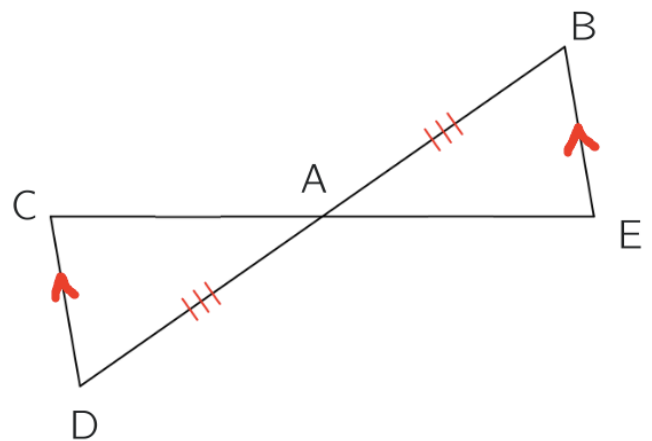
SRT-B5a

13. Complete the proof using the statements and reasons provided. Not all can nor will be used.

**GIVEN:**  $\overline{CD} \parallel \overline{EB}, \overline{DA} \cong \overline{BA}$

**PROVE:**  $\triangle ACD \cong \triangle AEB$

Statements	Reasons
1. $\overline{CD} \parallel \overline{EB}, \overline{DA} \cong \overline{BA}$	1.
2.	2.
3. $\angle DAC \cong \angle BAE$	3.
4. $\triangle ACD \cong \triangle AEB$	4.



Choices:

SSS	SAS	AAS	SSA	Given	Vertical Angles	Alternate Interior Angles
Prove	$\angle C \cong \angle E$	$\overline{CD} \cong \overline{EB}$	Reflexive Property	$\overline{CA} \cong \overline{EA}$		