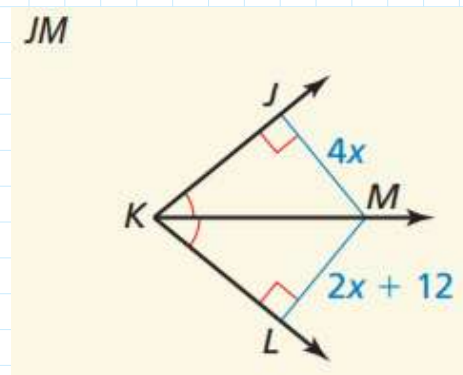
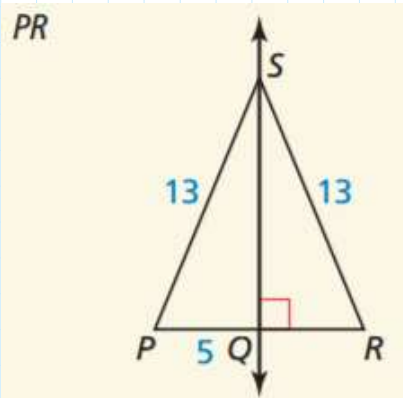


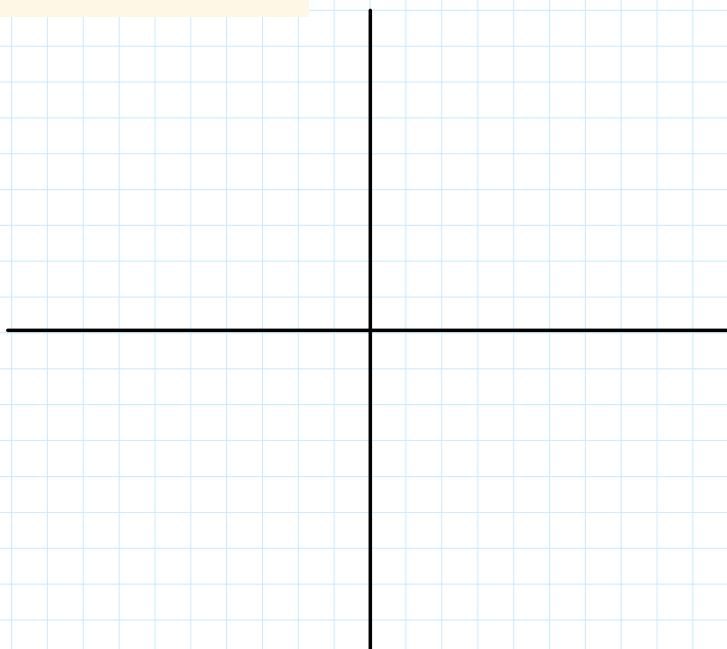
# Test Review

Find the measure of the given element.



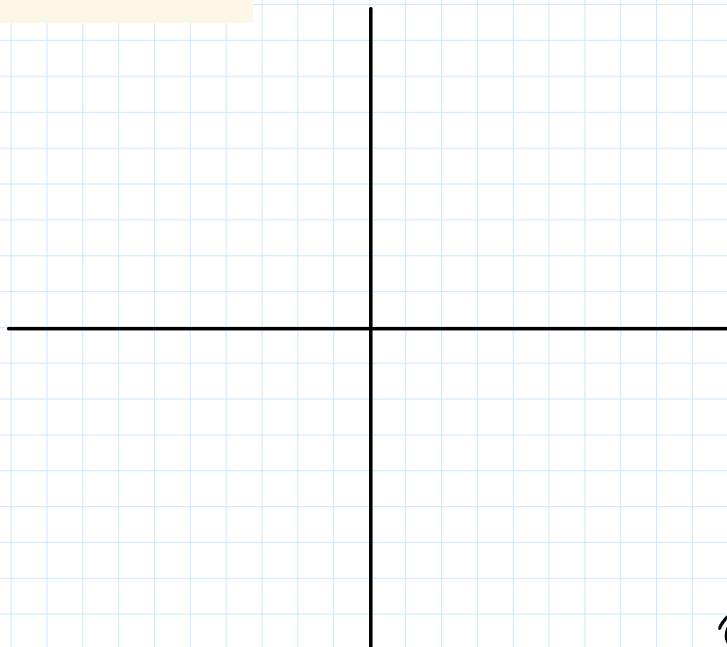
2

Find the coordinates of the circumcenter of  $\triangle DEF$  with vertices  $D(6, 4)$ ,  $E(-2, 4)$ , and  $F(-2, -2)$ .



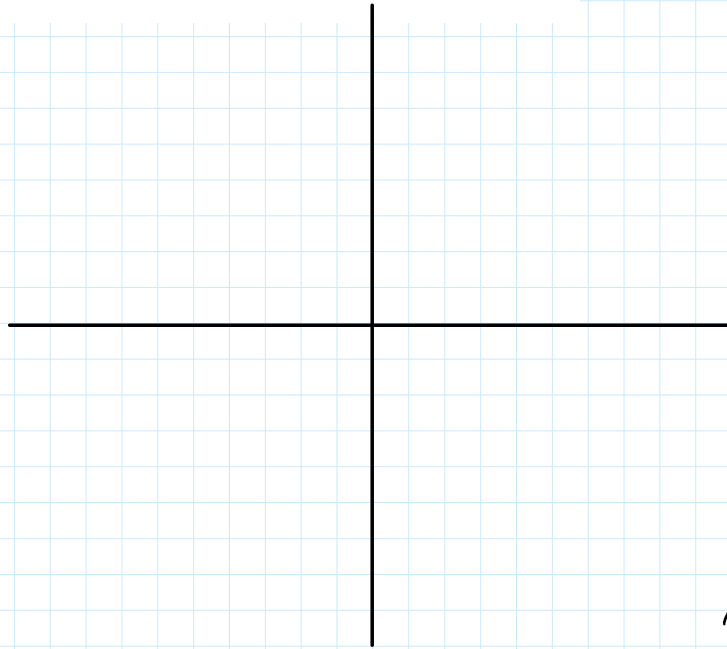
①

Find the coordinates of the centroid of  $\triangle ABC$  with vertices  $A(0, 4)$ ,  $B(-4, -2)$ , and  $C(7, 1)$ .  $(1, 1)$



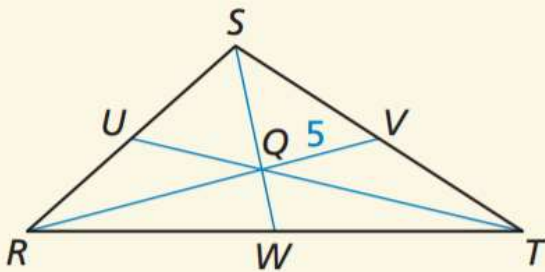
①

Find the coordinates of the orthocenter of  $\triangle XYZ$  with vertices  $X(-5, -1)$ ,  $Y(-2, 4)$ , and  $Z(3, -1)$ .



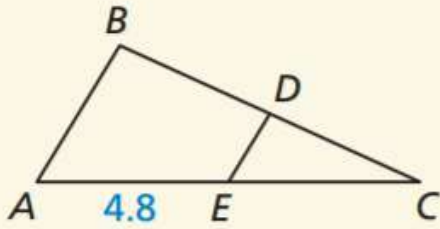
①

$VQ = 5$ . Find  $RQ$  and  $RV$ .



②

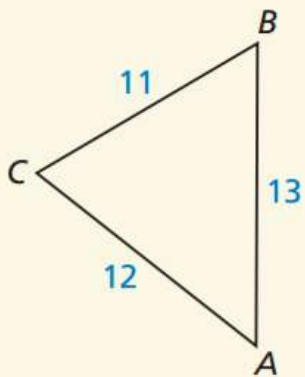
$\overline{DE}$  is a midsegment of  $\triangle ABC$ . Find  $AC$ .



2

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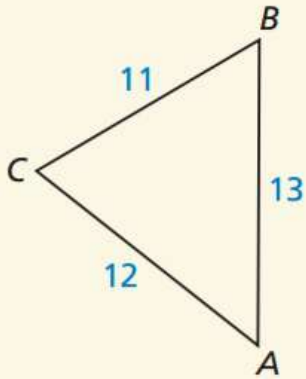
List the angles of  $\triangle ABC$  in order from smallest to largest.



1

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List the angles of  $\triangle ABC$  in order from smallest to largest.



1

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Decide whether it is possible to construct a triangle with the given side lengths. Explain your reasoning.

5. 4 ft, 9 ft, 10 ft

7. 5 cm, 7 cm, 12 cm

2

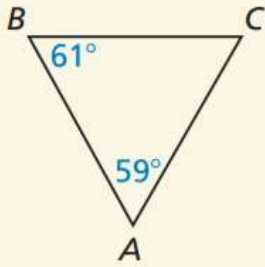
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A triangle has one side of length 6 and another side of length 15. Describe the possible lengths of the third side. The

1

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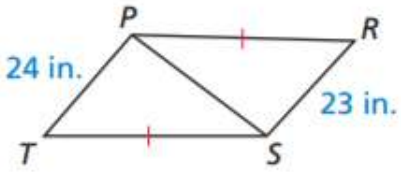
List the sides of  $\triangle ABC$  in order from shortest to longest.



1

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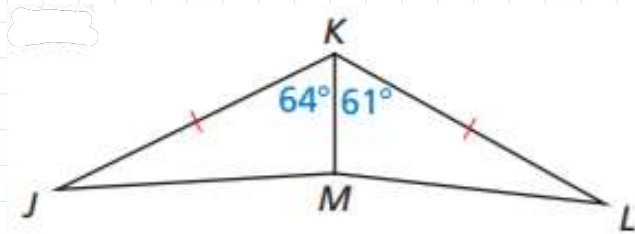
Given that  $\overline{ST} \cong \overline{PR}$ , how does  $m\angle PST$  compare to  $m\angle SPR$ ?



2

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Given that  $\overline{JK} \cong \overline{LK}$ , how does  $JM$  compare to  $LM$ ?



1

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# The End!

16 total questions

Good luck

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