

Grade 7/8 Math **Triangle Drawing Exercise Using ASA**

NAME: _____ Class: _____

Carefully follow the instructions below to draw the following Triangle:

1. Starting at point P, draw a horizontal line to the right 11.0 cm long.
2. Label the right end Q.
3. From point Q, draw a line 60° above line PQ (make sure the line is at least 12 cm long)
4. From point P, draw a line 60° above line PQ (make sure the line intersects with other line)
5. Label the intersection point R.
6. Measure and label all vertices and interior angles.

P .

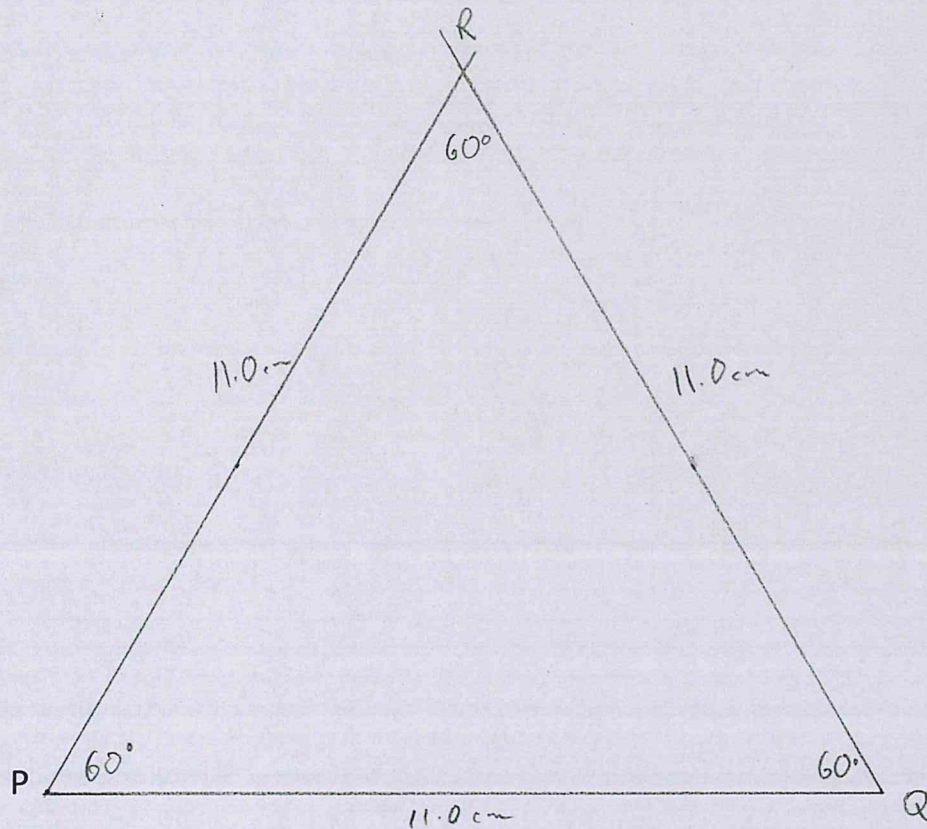
Now, on the back of this sheet, carefully draw your own triangle and describe how to draw it in the same way as above. (To make it easy to measure, make all sides longer than 6 cm.)

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Grade 7/8 Math **Triangle Drawing Exercise Using SAS**

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Carefully follow the instructions below to draw the following Triangle:

Starting at point L, draw a horizontal line to the right 13.0 cm long.

Label the right end M.

From point M, draw a 9.0 cm line 30° above line LM

Label the end of the 9.0 cm line O.

Create a triangle by joining points O and N.

Measure and label all vertices and interior angles.

M .

Now, carefully, draw your own triangle and describe how to draw it in the same way as above. (To make it easy to measure, make all sides longer than 6 cm.)

Grade 7/8 Math **Triangle Drawing Exercise.** SAS

NAME: _____ Class: _____

Carefully follow the instructions below to draw the following Triangle:

Starting at point L, draw a horizontal line to the right 13.0 cm long.

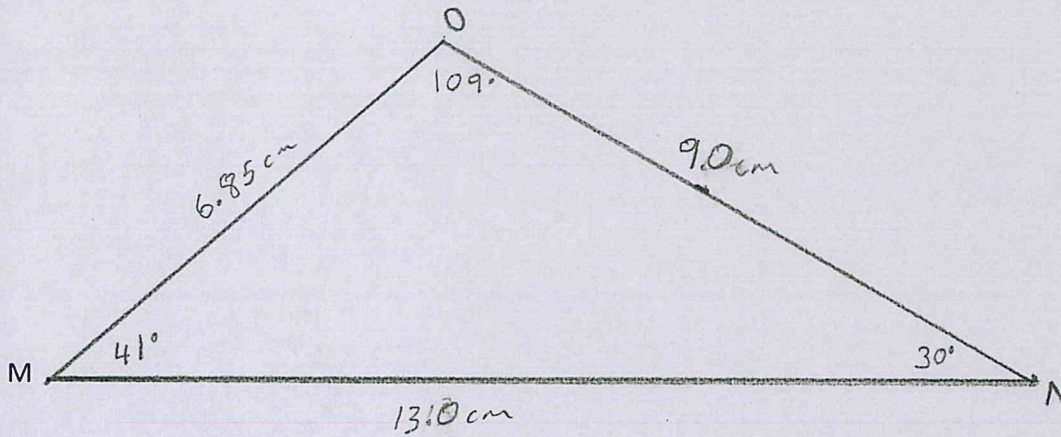
Label the right end M.

From point M, draw a 9.0 cm line 30° above line LM

Label the end of the 9.0 cm line O.

Create a triangle by joining points O and N.

Measure and label all vertices and interior angles.



Grade 7/8 Math **Triangle Drawing Exercise Using SSS**

NAME: _____ Class: _____

Carefully follow the instructions below to draw the following Triangle:

1. Starting at point F, draw a horizontal line to the right 12.0 cm long.
2. Label the right end G.
3. Using a compass, draw an arc from point F that is 9.0 cm in diameter. (make sure the arc is at least $\frac{1}{2}$ circle that is above point F)
4. Using a compass, draw an arc from point G that is 15.0 cm in diameter. (make sure the arc intersects arc drawn from point F)
5. Label the intersection point H.
6. Measure and label all vertices and interior angles.

F .

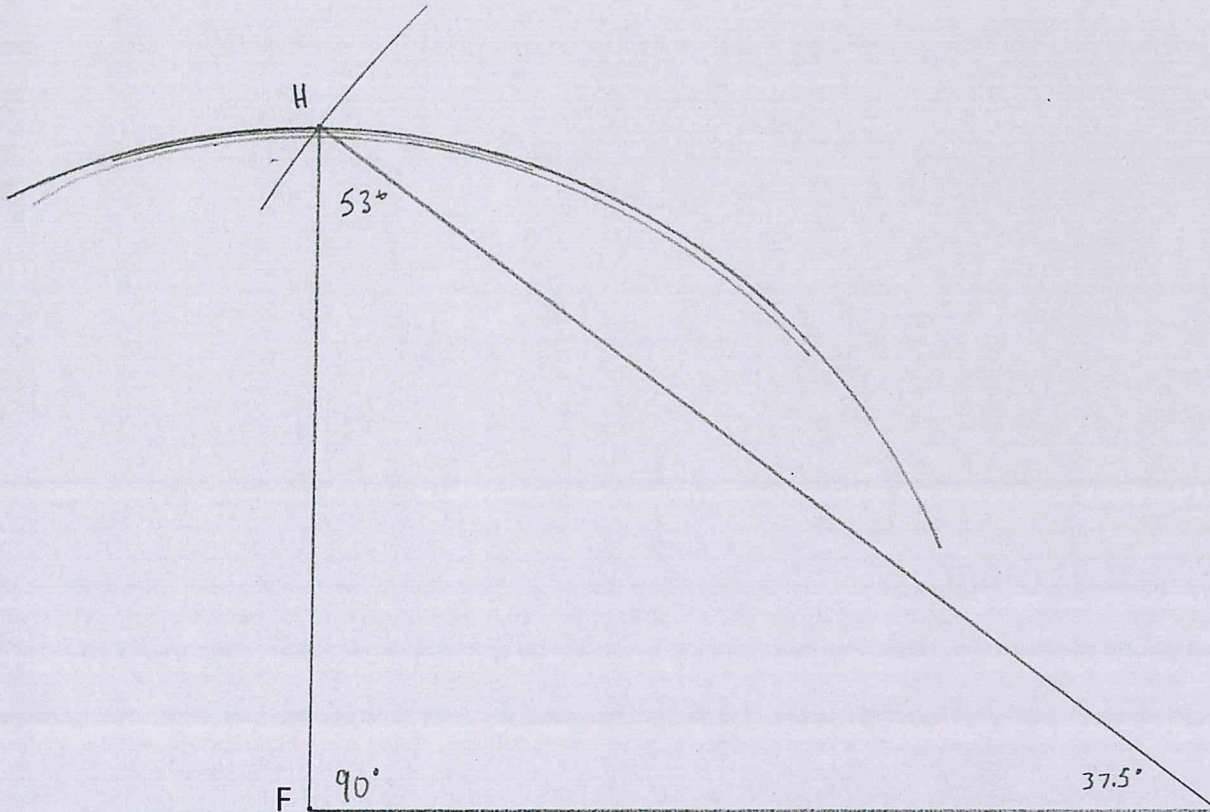
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5. Label the intersection point H.
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