Math – Midterm 1 (20 marks)

Student's Name: _____

Grade 9th

مدارس البكالوريا
BACCALAUREATE SCHOOLS

12th October, 2025

Q1) Refer the figure below and answer the following:

Name a line that contains point P.

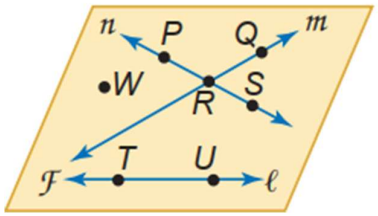
Name the plane containing lines n and m.

Name the intersection of lines n and m.

Name a point not contained in lines ℓ, m, or n.

What is another name for line n?

Does line ℓ intersect line m or line n? Explain.

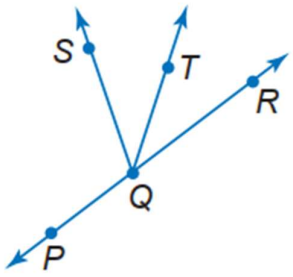


Q2) Given: QP and QR are opposite to each other

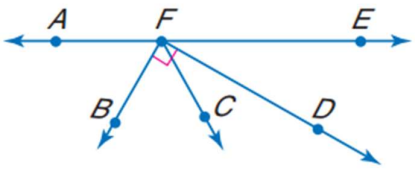
QT bisects <RQS

m<RQT = 6x + 5 and m<SQT = 7x – 2

Find the value of x, and then state the measure of both angles above?



Q3) Look at the figure below, name a right angle, an acute angle and an obtuse angle. Explain your choices?



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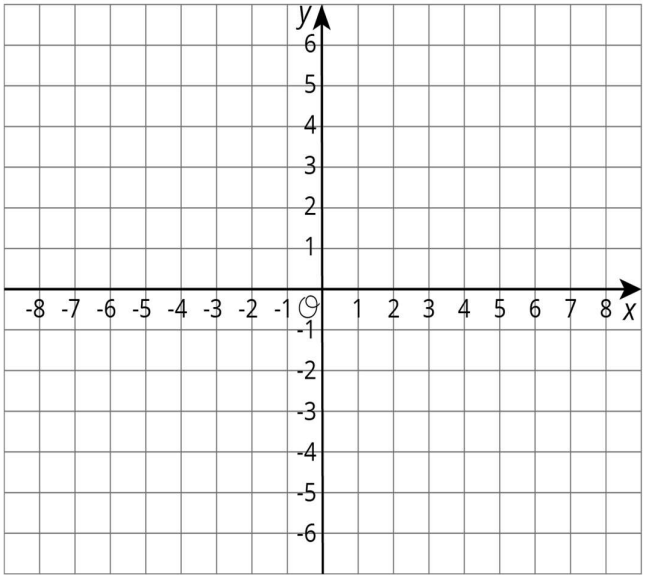
Q4) Graph the figure and its image for the following reflection

$\triangle ABC$ with vertices $A(-1, 4)$, $B(4, -2)$, and $C(0, -3)$ reflected in the y-axis



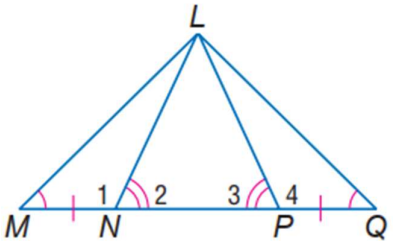
Q5)

Two angles are supplementary. One angle measures 12° more than the other. Find the measures of the angles.

Q6) Find the value of x and y in the figure below

Q7) Study the following figure, state the given information, and

proof that triangle ***MLP*** *is* ***congruent*** *to triangle* ***QLN***



Q8) Study the figure below, if triangle MLN congruent to triangle PLN, Prove that line LN is perpendicular to line MP?