Name: _____

Math 123-02
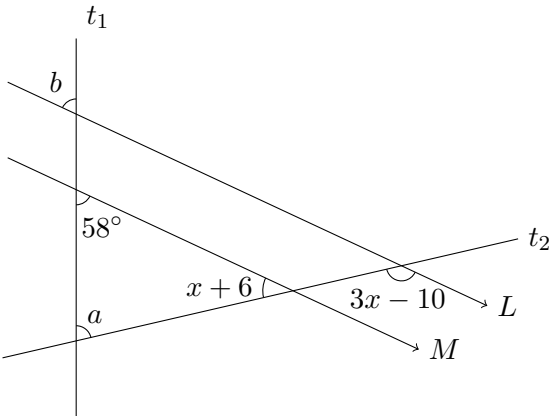Spring 2026
Dr. Lily Yen

Number: _____

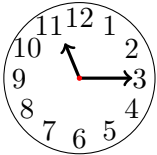Signature: _____

Score: ___/10

Quiz Three

Show all your work

Problem 1: Lines L and M are parallel with transversals t_1 and t_2. Given an angle $58°$ as shown in the diagram, solve for x and find the angles $\angle a$ and $\angle b$.
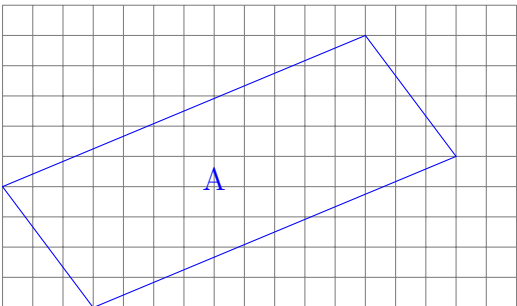

Score: /4

Problem 2: Find the smaller angle formed by the hour hand and the minute hand at quarter past eleven o'clock on a twelve-hour analogue clock. Show your work.

Score: /2

Problem 3: Shown is Quadrilateral A on the grid.

a. Find the perimeter of the quadrilateral.

b. Draw a semi-circle of radius 2 completely inside Quadrilateral A and find the area of the quadrilateral minus the semi-circle. Clearly state the area of the quadrilateral and the area of the semi-circle as part of your steps.

Score: /4