

Quiz 3

Show all your work

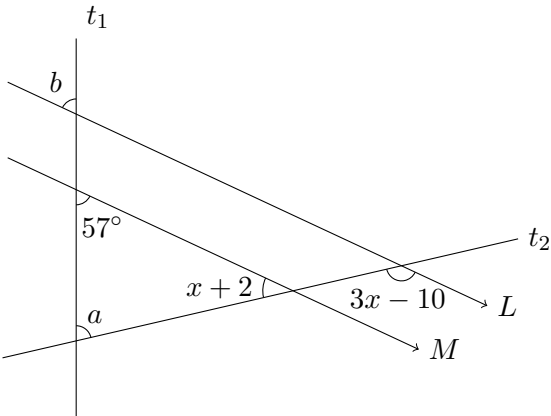
Name: _____

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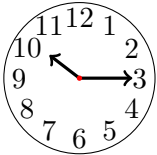
Score: ____/10

Problem 1: Lines L and M are parallel with transversals t_1 and t_2 . Given an angle 57° as shown in the diagram, solve for x and find the angles $\angle a$ and $\angle b$.



Score: ____/4

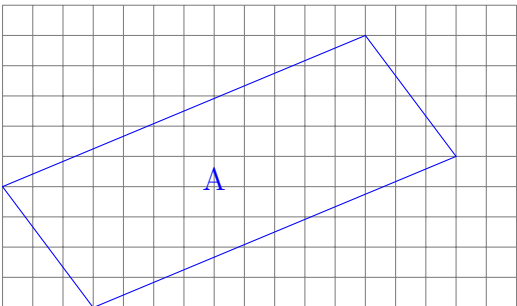
Problem 2: Find the smaller angle formed by the hour hand and the minute hand at quarter past ten o'clock on a twelve-hour analogue clock. Show your work.



Score: ____/2

Problem 3: Shown is Quadrilateral A on the grid.

- a. Find the perimeter of the quadrilateral.
- b. Draw a semi-circle of diameter 4 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