

Quiz Three

Show all your work

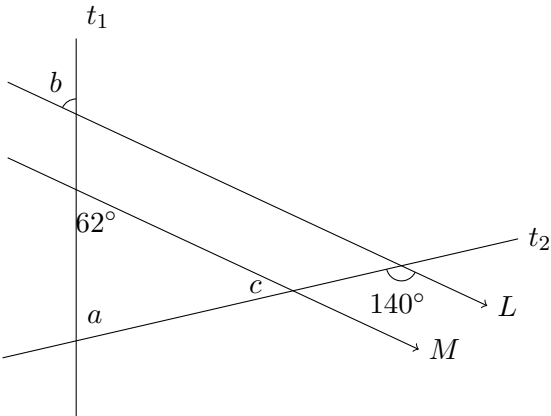
Name: _____

Number: _____

Signature: _____

Score: ____/10

Problem 1: Lines L and M are parallel with transversals t_1 and t_2 . Given two angles 62° and 140° as shown in the diagram, find the angles $\angle a$, $\angle b$, and $\angle c$.



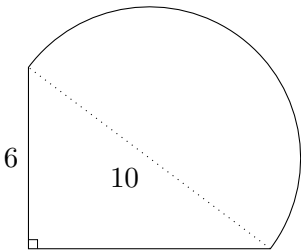
Score: ____/3

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



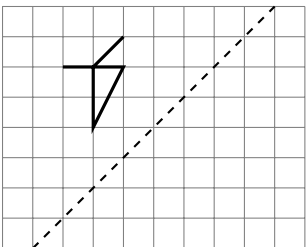
Score: ____/2

Problem 3: Find the perimeter (not the dashed line) of the combined shape of a right triangle with a semicircle drawn on the triangle's hypotenuse of length 10. If necessary, round to nearest thousandths.



Score: ____/3

Problem 4: Reflect the given figure along the dashed line.



Score: ____/2