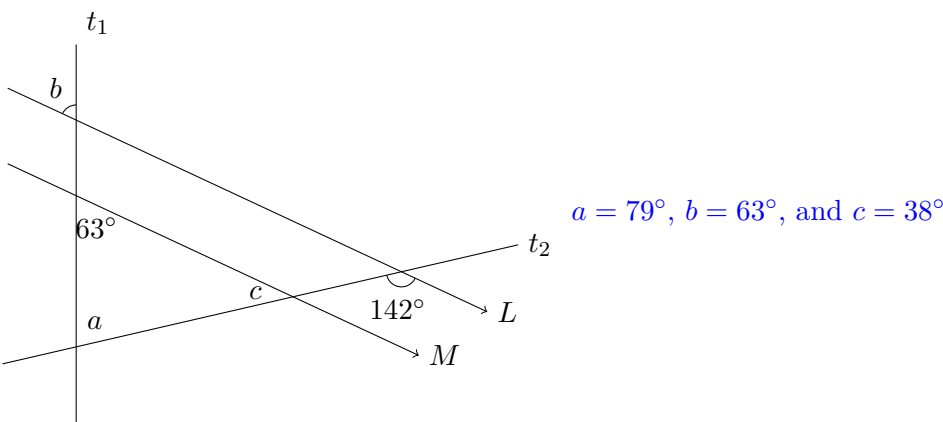


Quiz 3

Show all your work

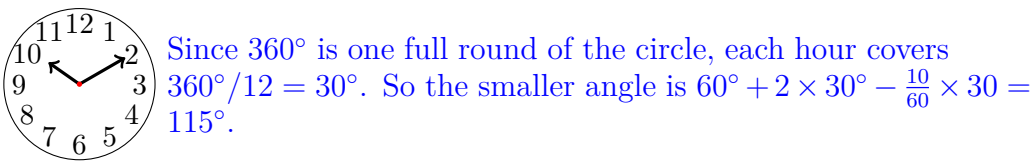
Name: _____
Number: _____
Signature: _____
Score: ____/10

Problem 1: Lines L and M are parallel with transversals t_1 and t_2 . Given two angles 63° and 142° as shown in the diagram, find the angles $\angle a$, $\angle b$, and $\angle c$.



Score: ____/3

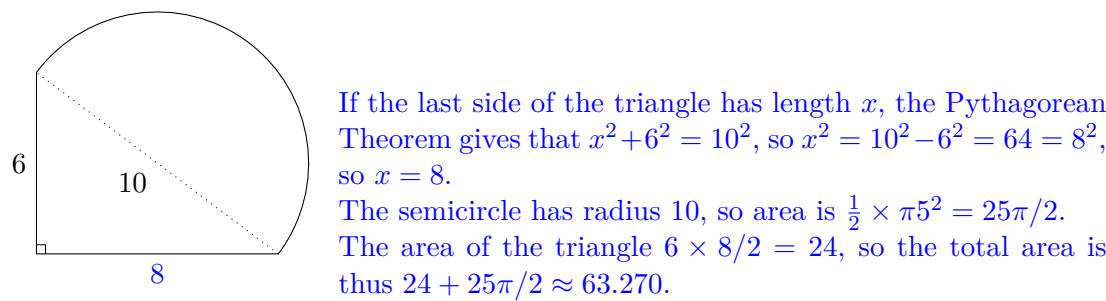
Problem 2: Find the smaller angle formed by the hour hand and the minute hand at ten past ten o'clock on a twelve-hour analogue clock. Show your work.



Score: ____/2

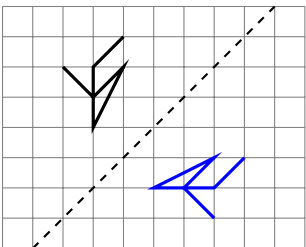
Problem 3: Find the area of the combined shape of a right triangle with a semicircle drawn on the triangle's hypotenuse of length 10. If necessary, round to nearest thousandths.

63.270 u²



Score: ____/3

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



Score: ____/2