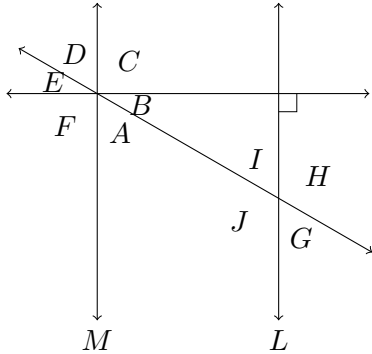


Quiz 2

Show all your work

Name: _____
 Number: _____
 Signature: _____
 Score: ____/21

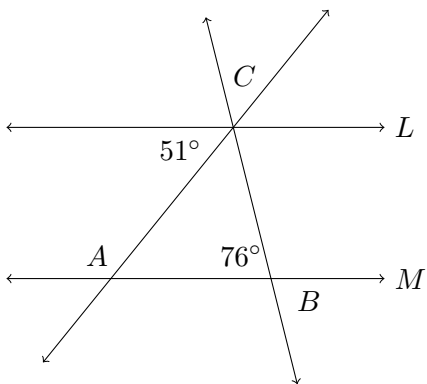
Problem 1: Lines L and M are parallel. Which pairs of the named angles are corresponding angles with the same measure as angle A ?



Score: ____/2

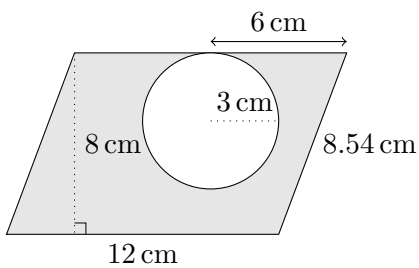
Problem 2: Lines L and M are parallel. Find the measures of $\angle A =$,

$\angle B =$, and $\angle C =$.



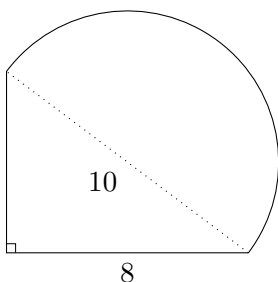
Score: ____/3

Problem 3: Find the area of the shaded region inside the parallelogram.







Score: ____/3

Problem 4: Find the combined perimeter of a right triangle with a semicircle drawn on its hypotenuse. If necessary, round to nearest thousandths.



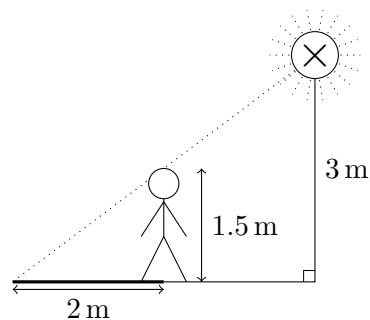
Score: ____/2

Problem 5: Set up a table for convex polygons' angle sums beginning with a triangle, followed by a quadrilateral, a pentagon, and so on. State the angle sum of an eleven-sided polygon.

Polygon:				
Angle sum:				

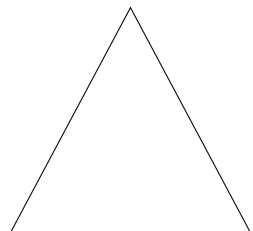
Score: /2

Problem 6: Shown is a 1.5 m tall pedestrian standing near a lamp post of 3 m high. If the pedestrian's shadow is 2 m long, how far away is the pedestrian standing away from the base of the lamp post?



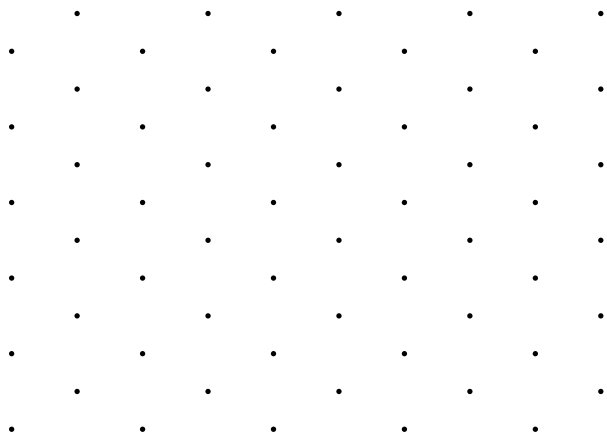
Score: /2

Problem 7: Find the area of an isosceles triangle with side lengths of 17, 17, and base 16.



Score: /3

Problem 8: In the three dimensional guide below, draw a three-step staircase where each step is 2 units long by 1 unit wide, and each step rises 1 unit tall. Find the volume and surface area of the staircase.



Score: /4