# Assignment 3

Show all your work

Name: _____

Number: _____

Signature: _____

Score: ___/8

Problem 1: Lines L and M are parallel with transversals t_1 and t_2. Given two angles $70°$ and $135°$ as shown in the diagram, find the interior angles $\angle x$, $\angle y$, and $\angle z$ in the small triangle.
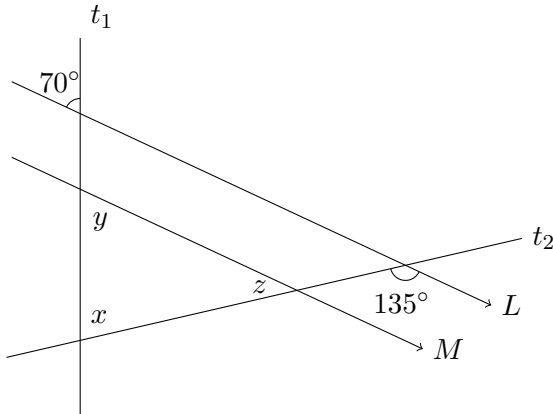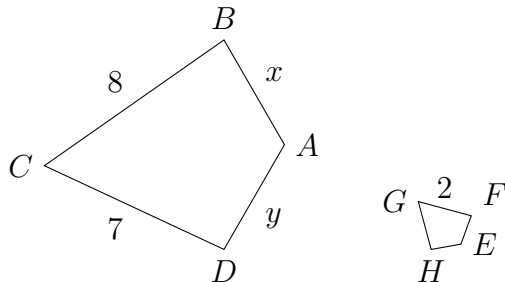

Score: /3

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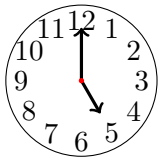
Score: /2

Problem 3: Given two similar quadrilaterals: quadrilateral $ABCD$ is similar to quadrilateral $EFGH$, find x and y given that $\overline{FE} = 1/2$, and $\overline{HE} = 3/5$.

Score: /3