ANSWERS

A) _____ °

B) _____ °

C) _____ °

A) In a pentagon *MAGIC*, ∠s *M*, *A* and, *G* are congruent and∠s *I* and *C* are congruent.
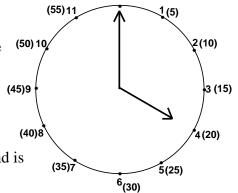All angle measures are positive integers.
Determine the smallest possible measure (in degrees) of ∠*C*.

B) On an analog clock, what is the degree measure of the acute angle between the minute and hour hand at 4:21 AM?

Note: In the diagram, the numbers 1 - 12 represent hours.
The time in the diagram is 4:00 (AM or PM).
The numbers in parentheses indicate minutes past the hour. For example, at 4:15, the minute hand points at the 3 and the hour hand is pointing somewhere between the 4 and the 5.

C) $\overrightarrow{TA} \parallel \overrightarrow{OP}$. In convex hexagon *POSTAL*, all interior angles have integer measure and
$m\angle L > m\angle TAL$. Compute the maximum sum of the measures of the largest and smallest angles in *POSTAL*. Reminder: The diagram is not necessarily drawn to scale.