

Problem A:

An angle of  $234^{\circ}45'$  was read after turning 1D. After turning it 1DR, the value read was  $109^{\circ}28'$ . What is the average value of the angle?

Problem B:

An angle of  $73^{\circ}35'46''$  was read after turning 1D. After turning it 3DR, the value read was  $81^{\circ}34'42''$ . What is the average value of the angle?