

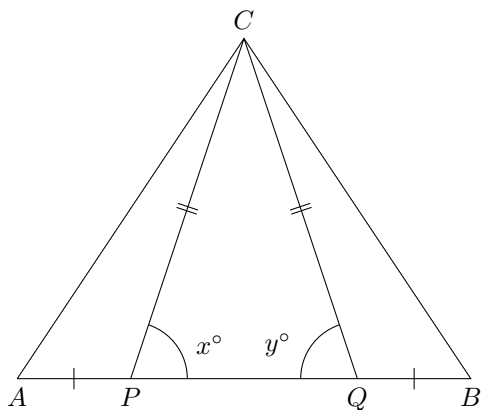
MTH 202 - Quiz 5

17 October 2015

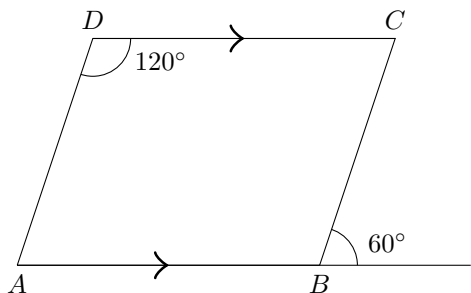
Name: _____

No calculators or other electronic devices are allowed on this quiz. If you need more space to solve a problem, use the back of the paper. In order to receive full credit, show all your work on the problems.

1. (9 points) In the following figure, $AP = BQ$, $CP = CQ$, and $x = y$. Write a careful proof that $AC = BC$.



2. (8 points) Show that $ABCD$ is a parallelogram; you may use any facts stated in class. You do not need to write a full proof, but do justify all your steps.



3. (8 points) In the following figure, $ABCD$ is a rectangle. Find x and y .

