Name:

Constructed Response – Group 2 – 11/17/14

Find a word problem below. In order to receive full credit for this assignment, **you must not only show your math work, but you must explain in writing how you solved the problem.**

The point *P* is invariant (does not change) when it is reflected in the line *y* = 4 or the line *y* = *x*.

1. Find the coordinates of *P*.
2. Hence, find the image of *P* if it is reflected in the line
   1. *X* = -2
   2. *Y* = -x.