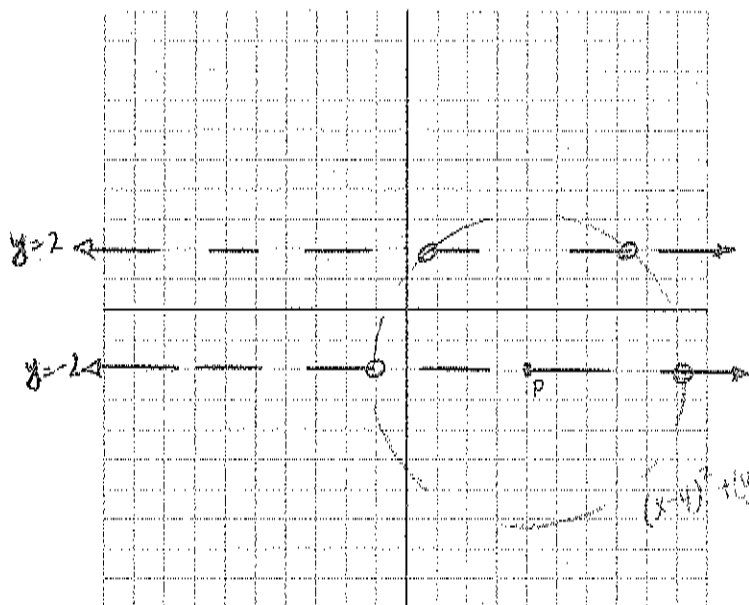


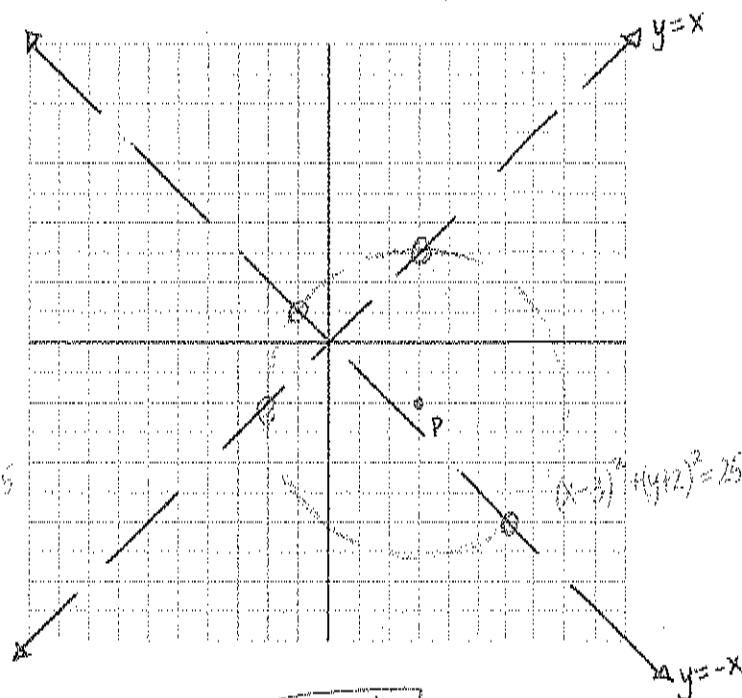
COMPOUND LOCI IN THE COORDINATE PLANE

Problem 1 What is the total number of points 5 units from the point $P(4, -2)$ and 2 units from the x-axis?



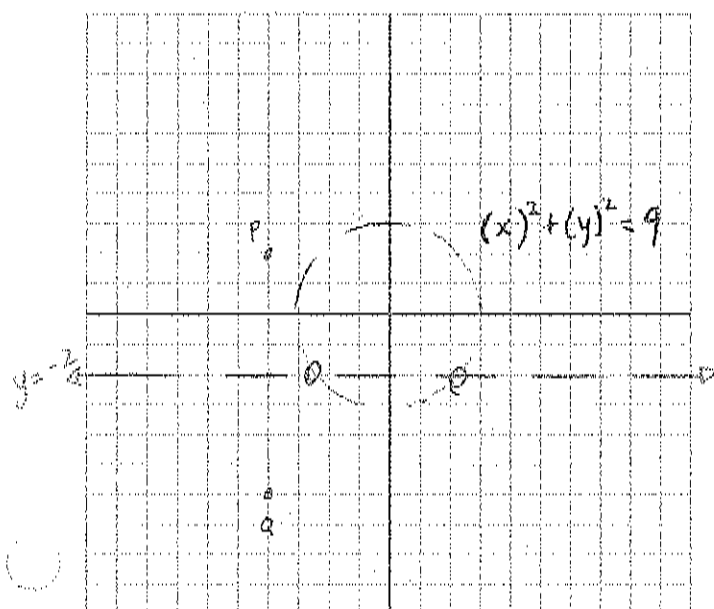
4 points

Problem 2 How many points are 5 units from $P(3, -2)$ and equidistant from the x- and y-axes?



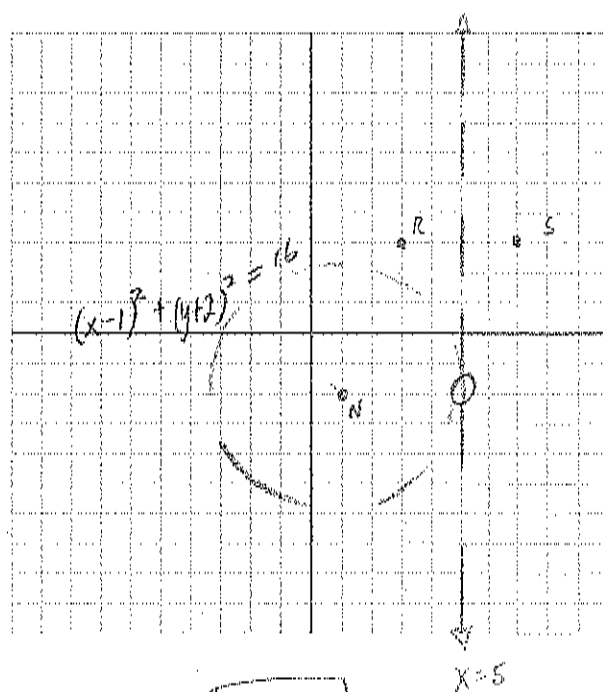
4 points

Problem 3 How many points are equidistant from $P(-4, 2)$ and $Q(-4, -6)$, and also 3 units from the origin?



2 points

Problem 4 How many points are equidistant from $R(3, 3)$ and $S(7, 3)$ and also 4 units from the point $N(1, -2)$?



1 point

