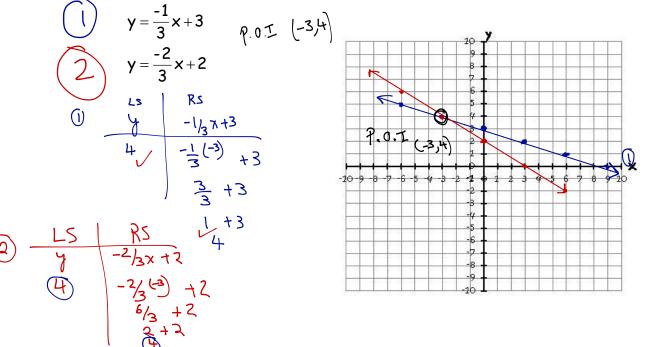
MPM2D – More Exam Review



1. Solve the following linear system by graphing.

2. EDHS is holding a homecoming dinner and dance. The cost of the tickets to attend the dinner and dance afterwards is \$40 per person. The cost of the tickets to attend the dance only is \$25 per person. If a total of 350 tickets have been sold and \$11 750 has been collected, determine how many people are attending the dinner and dance and how many will be attending the dance only.

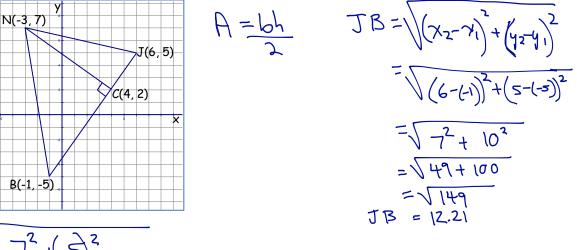
Let d the # of people attending dim and done
Let j represent # of people attending dance only

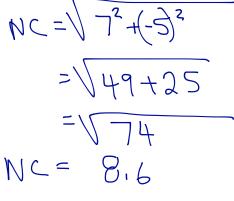
$$O d t j = 350$$

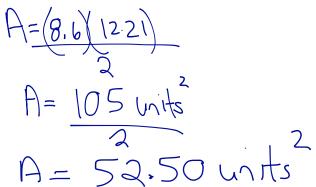
 $(2) 40d t 25j = 11750$
 $W O d = 350-j$ Subst. in
 (2)

40(350-j) + 25j = 11750 14000 - 40j +25j = 11750 14000 - 15j = 11750 14000 -15j = 11750 - 14000 -15' = -2250 j = -2250 -15 150 people wat to the dance only 350-150 -200 200 people went to the dimer E clance.

3. Determine the area of ΔNJB (to the nearest hundredth). Show your work







4. ΔPQR with vertices P(7, 7), Q(-3, -5), and R(5, -3). Determine the equation of the median from R. Include a sketch with your solution.

