

Unit 4 Day 14 Notes: Geometric Conclusions in the Coordinate Plane

PROBLEM SET 4-14 LAB

1) Fill in your lesson summaries from today's lesson.

2) Use the provided graph but do work on separate paper to prove each of the following. Given quadrilateral PQRS with P(2,4), Q(-5,2), R(-2,-1),

S(5,1), M $\left(0, \frac{3}{2}\right)$

a. Prove $\overline{PQ} \parallel \overline{RS}$

b. Prove $\overline{PQ} \cong \overline{RS}$

c. Prove \overline{PQ} is not \perp to \overline{RS}

d. Prove M is the midpoint of the diagonal \overline{PR}

