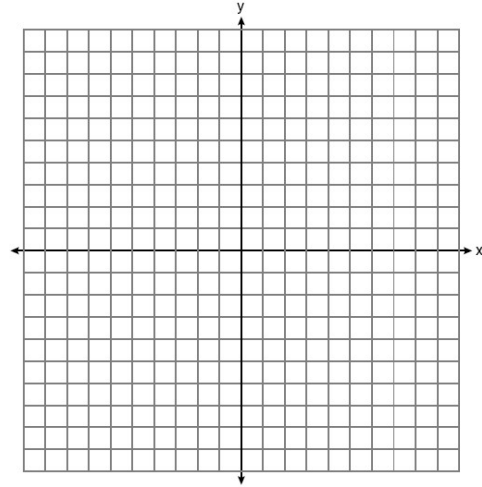


Name _____
Mr. Schlansky

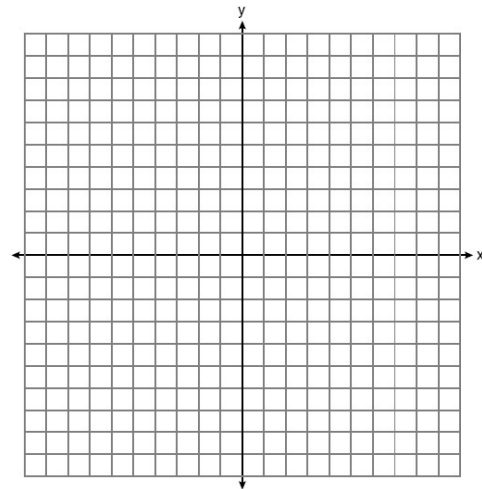
Date _____
Geometry

Proving Segments are Congruent

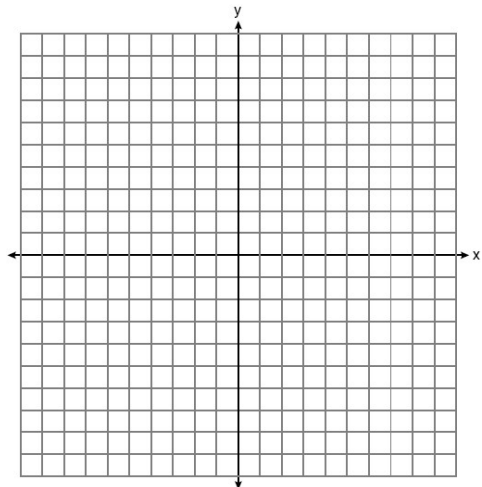
1. A(-3,2) B(1,7) C(4,-1) D(-1, -5)
Prove that $\overline{AB} \cong \overline{CD}$



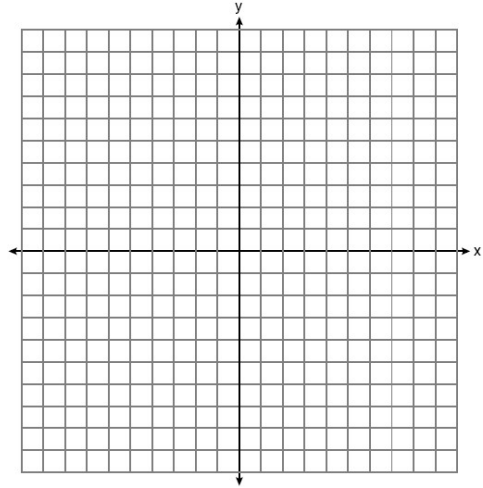
2. A(5,2), B(8,0), C(9,1), and D(7,3)
Prove that \overline{AB} not $\cong \overline{CD}$



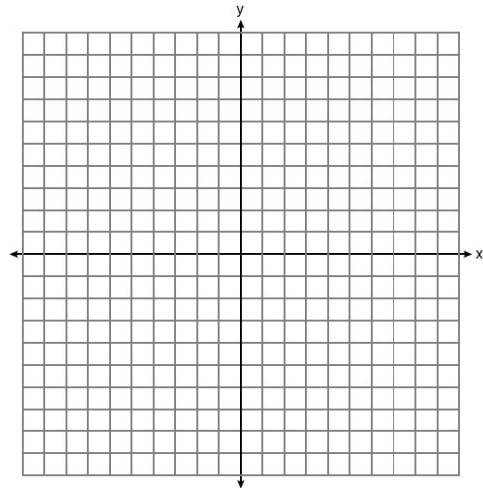
3. N(2,-3), R(6,-2), Q(8,-1), and W(4,-2)
Prove that $\overline{NR} \cong \overline{QW}$



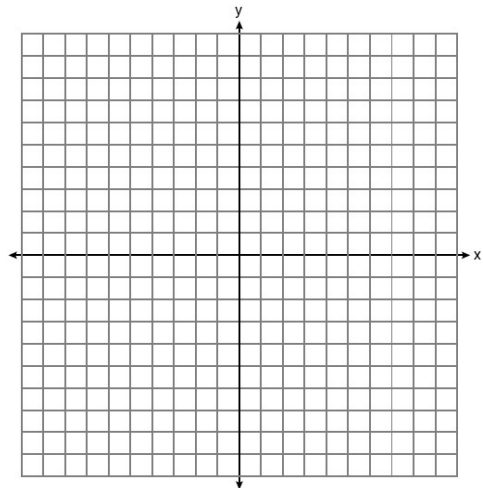
4. T(8,-6), A(-2,1), C(-4,-3), and O(6,-10)
Prove that $\overline{TA} \cong \overline{CO}$



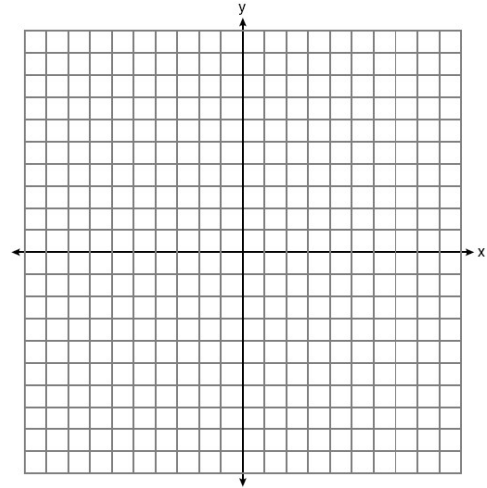
5. M(-5,2), O(5,7), P(-4,-3), and S(3,-7)
Prove that \overline{MS} not $\cong \overline{PO}$



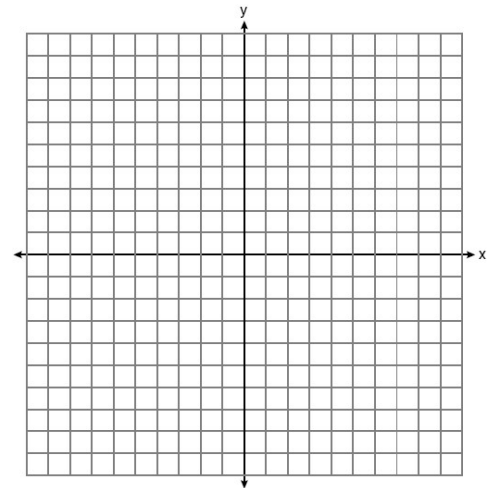
6. J(0,-2), O(-5,5), S(4,1), and H(-3,6)
Prove that $\overline{JO} \cong \overline{SH}$



7. $P(-7,0)$, $L(-4,3)$, $U(0,1)$, and $M(-3,-2)$
Prove that $\overline{PM} \cong \overline{LU}$



8. $S(-4,7)$, $A(5,4)$, $B(-1,7)$, $R(-10, 0)$
Prove that $\overline{SA} \cong \overline{BR}$



9. $M(8,9)$, $I(-1,4)$, $L(3,-1)$, $R(8, 8)$
Prove that $\overline{SA} \cong \overline{BR}$

