

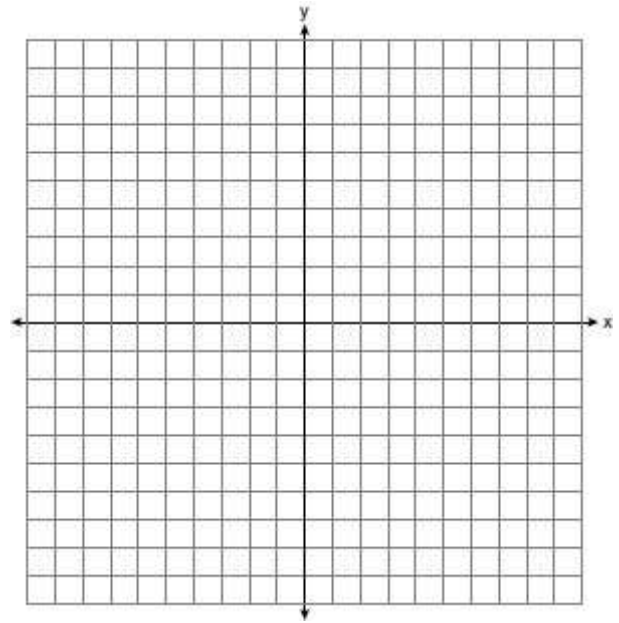
Name _____
Mr. Schlansky

Date _____
Geometry

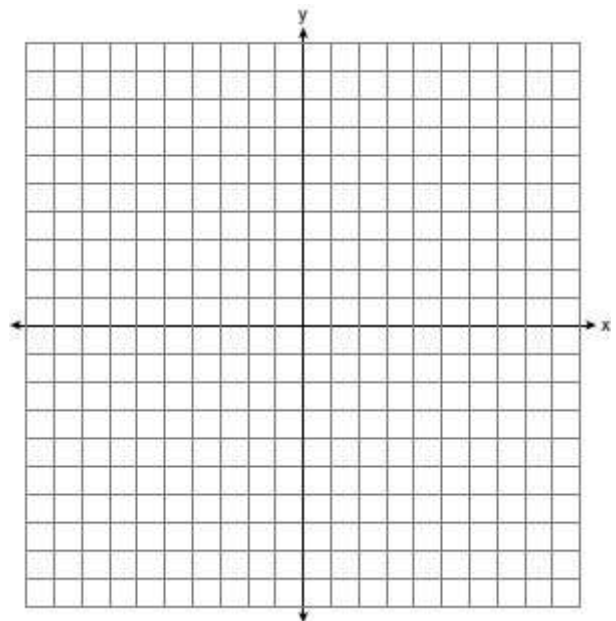


Coordinate Geometry Trapezoid Proofs

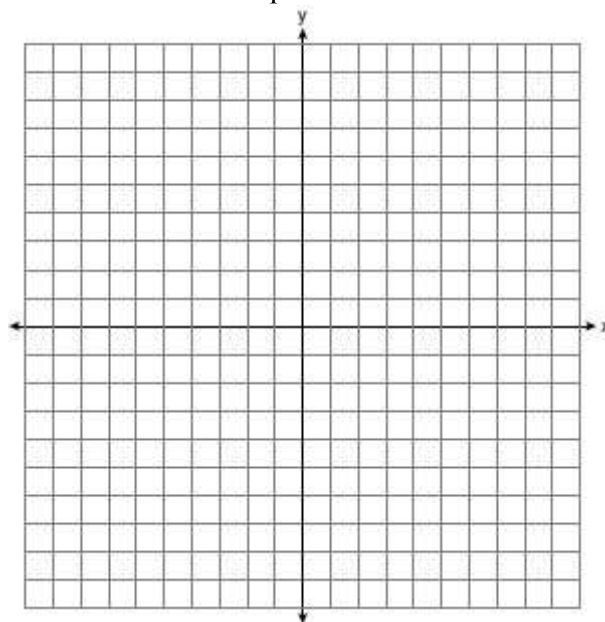
1. Quadrilateral ABCD has vertices $A(1,1)$, $B(2,5)$, $C(5,7)$ and $D(7,5)$. Prove that quadrilateral ABCD is a trapezoid.



2. Quadrilateral DEFG has vertices $D(1,3)$, $E(-1,1)$, $F(-1,-2)$, $G(4,3)$. Prove that DEFG is an isosceles trapezoid.



3. Given $C(-7,-3)$, $A(-7,2)$, $M(-1,5)$, $I(3,2)$. Prove $CAMI$ is an isosceles trapezoid.



4. Given $M(-5,7)$, $I(-1,10)$, $L(9,5)$, $O(-3,-4)$. Prove $MILO$ is an isosceles trapezoid.

