

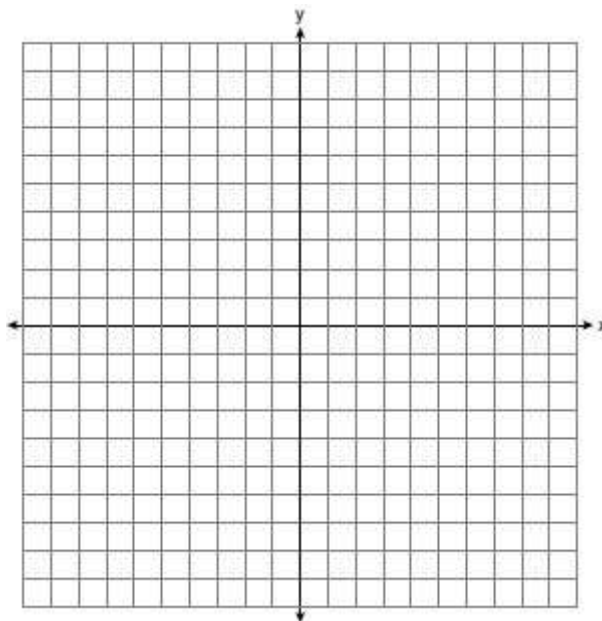


Name _____
Mr. Schlansky

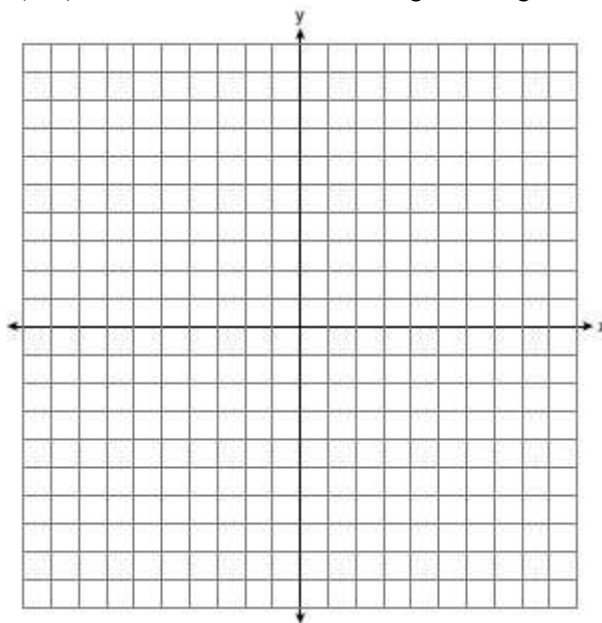
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Geometry

Coordinate Geometry Triangle Proofs

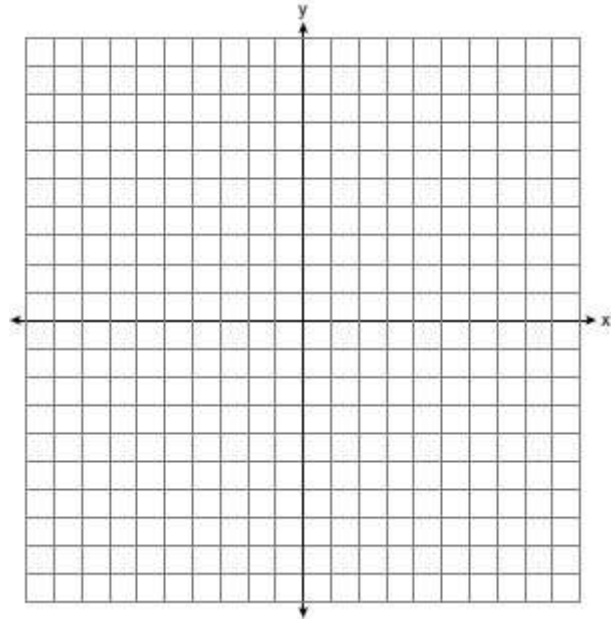
1. Triangle MET has vertices $M(7,-1)$, $E(2,-2)$ and $T(3,3)$. Prove that MET is an isosceles triangle.



2. The vertices of $\triangle ABC$ are $A(0,10)$, $B(5,0)$ and $C(8,4)$. Prove that $\triangle ABC$ is a right triangle.



3. Triangle JOY has vertices $J(4,0)$, $O(5,4)$ and $Y(1,5)$. Prove that JOY is an isosceles right triangle.



4. Prove that the triangle whose vertices are $A(0,2)$, $B(2,3)$, and $C(1,5)$ is a right triangle.

