Name _____   Date _____
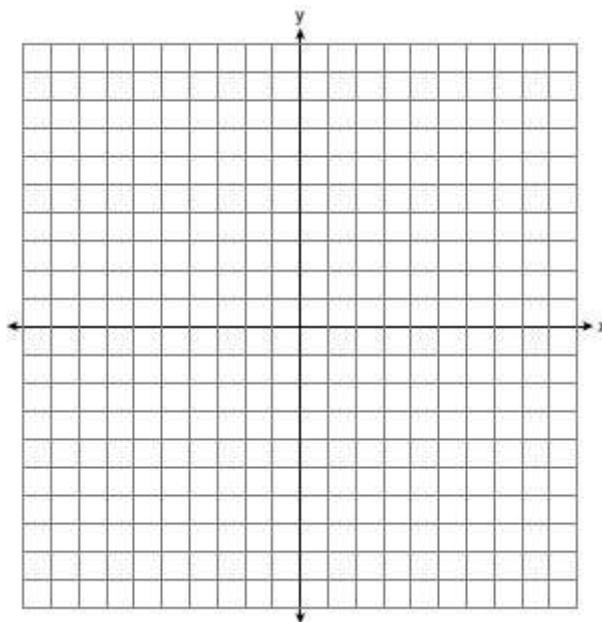Mr. Schlansky   Geometry

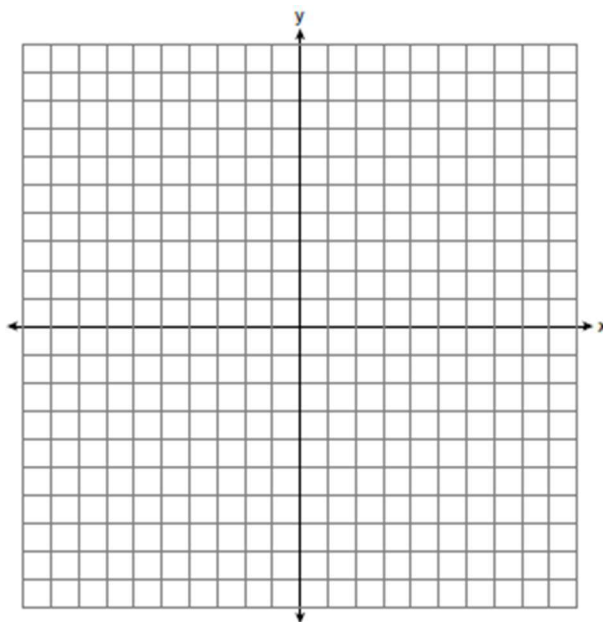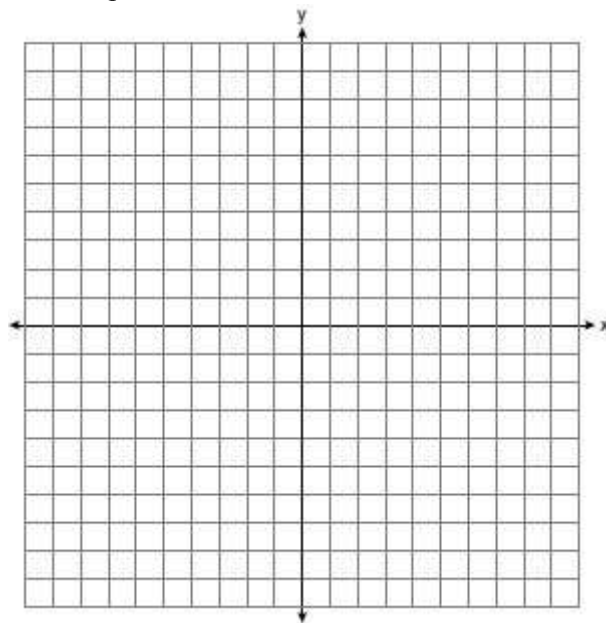# *Coordinate Geometry Not Proofs*

1. Prove that the triangle whose vertices are A(-6,6), B(-5,2), and C(3,4) is a right triangle but *not* isosceles.

2. Quadrilateral *FRDY* has vertices F(-2, -8), R(7,-1), D(10,10) and Y(1,3). Using coordinate geometry, prove that quadrilateral *FRDY* is a rhombus but *not* a square.

3. The coordinates of quadrilateral JKLM are J(1,-2), K(13,4), L(6,8), and M(-2,4). Prove that quadrilateral JKLM is a trapezoid but not an isosceles trapezoid.

4. Quadrilateral *FUNK* has vertices F(-1, 3), U(1,6), N(7,2) and K(5,-1). Using coordinate geometry, prove that quadrilateral *FUNK* is a rectangle but *not* a square.