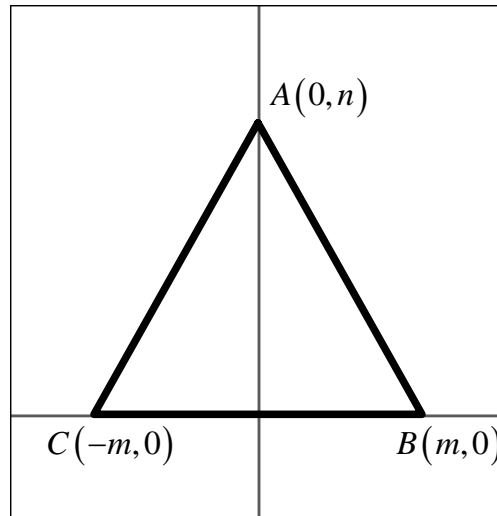


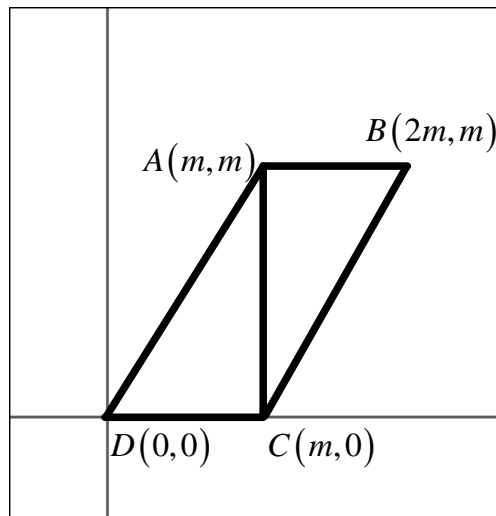
Proving Triangles Using Coordinate Geometry

Directions: Write a coordinate proof.

1. Prove that $\triangle ABC$ is an isosceles triangle.



2. Given: Coordinates of $\triangle ACD$ and $\triangle ACB$
Prove: $\triangle ACD \cong \triangle ACB$



3. Given: Coordinates of $\triangle ABC$ and $\triangle EDC$
Prove: $\triangle ABC \cong \triangle EDC$

