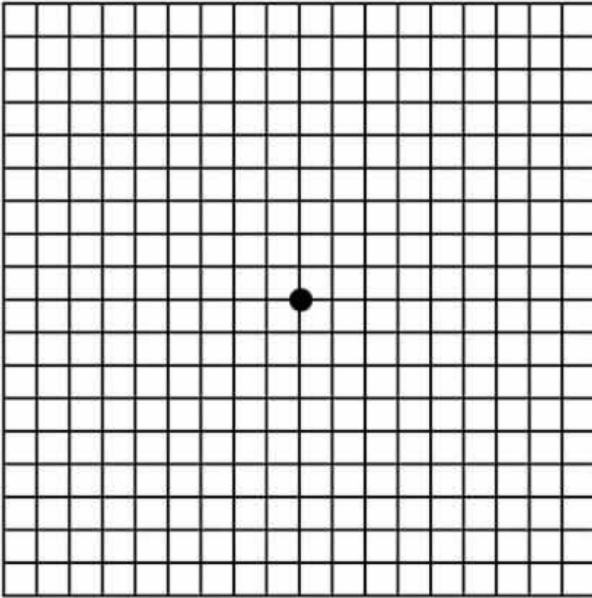


Name: _____
Date: _____
Class: _____

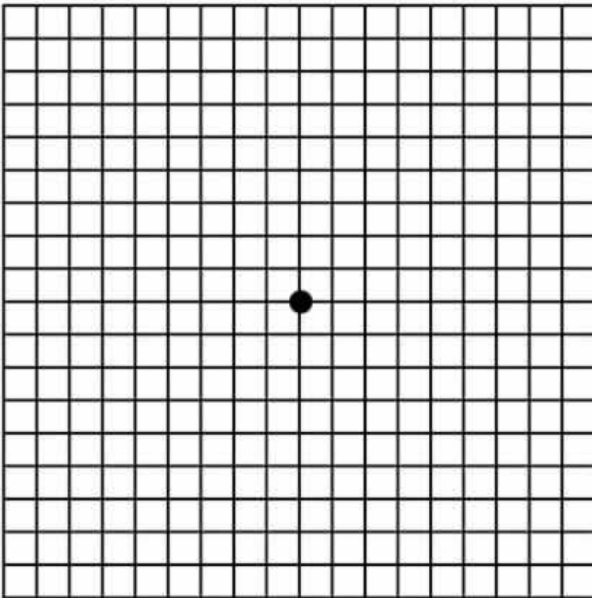
Geometry
Unit 8
HW 8-7

Using the given information and the diagram write a proof that shows the “Prove” statement is true.

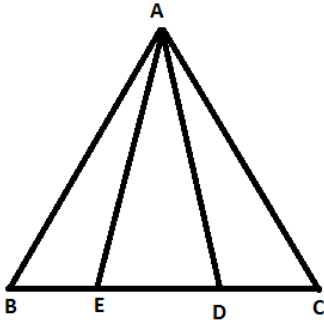
1) If $A(-2, -2)$, $B(2, 0)$, $C(3, 3)$, and $D(-1, 1)$ is $ABCD$ a parallelogram?



2) If $A(2, 0)$, $B(7, -2)$, $C(9, 3)$, and $D(4, 5)$ is $ABCD$ a square, rhombus, both, or neither?



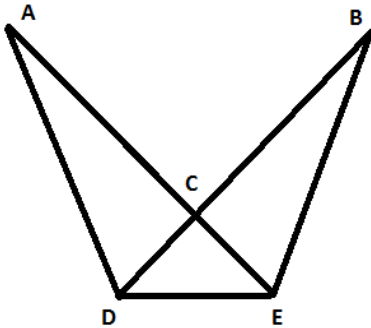
3)



Given: $\triangle ABC$ is isos with $\angle A$ as vertex
 $\overline{BE} \cong \overline{DC}$

Prove: $\triangle ABD \cong \triangle ACE$

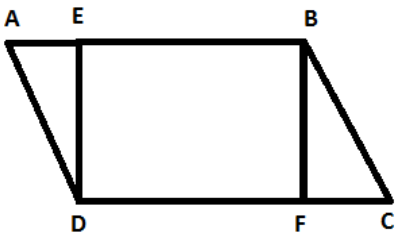
4)



Given: $\triangle ACD \cong \triangle BCE$
 $\angle ADE \cong \angle BED$

Prove: $\triangle ADE \cong \triangle BED$

5)



Given: ABCD is a \square

$$\overline{DE} \perp \overline{AB}$$

$$\overline{FB} \perp \overline{DC}$$

Prove: $\triangle ADE \cong \triangle CBF$