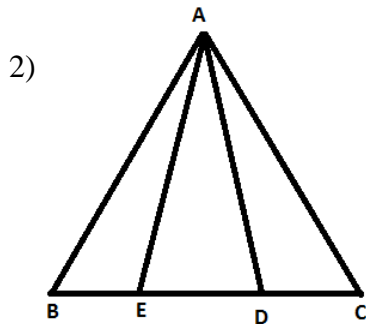
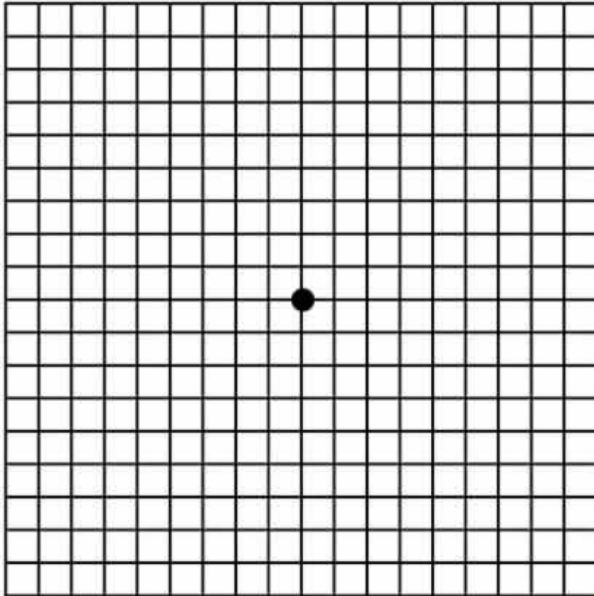


Name: _____
Date: _____
Class: _____

Geometry
Unit 8
HW 8-6

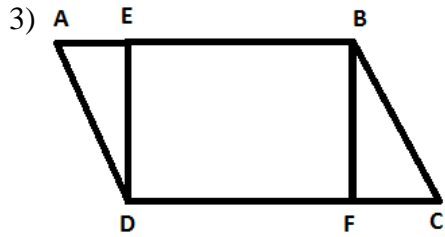
Using the given information and the diagram write a proof that shows the “Prove” statement is true.

1) If a triangle has points A(0,4), B(3,0), and C(-3,0) prove that the triangle is isosceles but not equilateral.



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

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



Given: $\overline{AB} \cong \overline{CD}$

EBFD is a rectangle

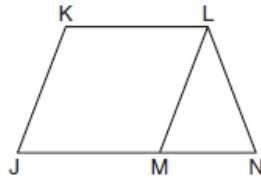
Prove: $\triangle ADE \cong \triangle CBF$

4) Given: JKLM is a parallelogram.

$\overline{JM} \cong \overline{LN}$

$\angle LMN \cong \angle LNM$

Prove: JKLM is a rhombus.



5) Is ABCD a \square , a rhombus, or both if A(-1, -2), B(2, 2), C(6, 3), and D(3, -1)

