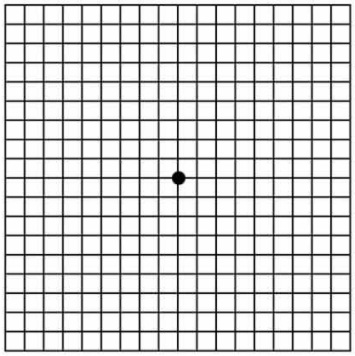
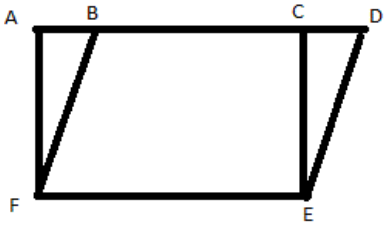
Name: _____ Geometry
Date: _____ Unit 8
Class: _____ HW 8-4b

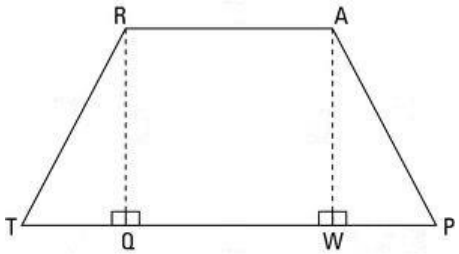
Using the given information and the diagram write a proof that shows the "Prove" statement is true.

1) 

If a triangle has points S (1,2), A(3, 6), and T(4, -3), what type of triangle is ΔSAT? Place a point Z so that SAZT is a parallelogram and explain.

2) 

Given: $BDEF\ is\ a\ parallelogram$
$\overline{FA} \perp \overline{AD}$
$\overline{CE} \perp \overline{AD}$
Prove: ACEF is a parallelogram

3) 

Given: $\overline{TW} \cong \overline{QP}$
$\overline{RQ} \perp \overline{TP}$
$\overline{AW} \perp \overline{TP}$
$\overline{TR} \cong \overline{AP}$
Prove: RAWQ is a rectangle