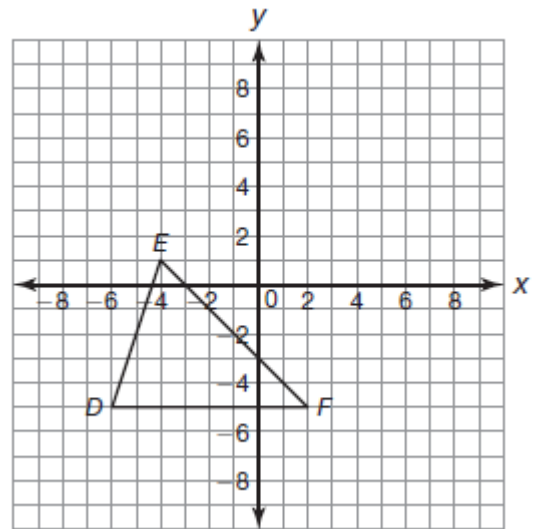


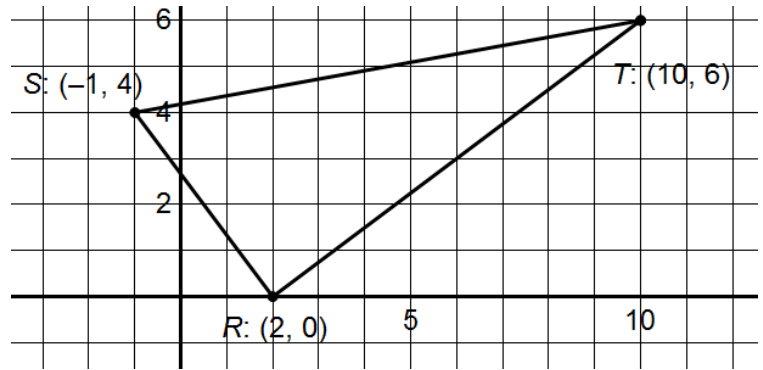
1a. Find the perimeter of triangle DEF.



b. Draw in an altitude of triangle DEF and use it to find the area of triangle DEF.

c. Prove that triangle DEF is **NOT** isosceles. (*Remember to support your reasoning with evidence.*)

2a. Use the “box” method to find the area of triangle RST.



b. Prove that triangle RST is a **Right Triangle**. (A right triangle is a triangle with 1 right angle.)

c. Prove that triangle RST is a **Scalene Triangle**. (A scalene triangle has 3 unequal length sides.)