

1. Right-Hand-side Test(8)

Given the following points:

. $p1 = (2, 5), p2 = (2, 6), p3 = (0, 2)$

. $p4 = (0, 13), p5 = (3, 7), p6 = (-1, 9)$

all results come from attached python file HW1.py

Answer:

- a. the area of $\triangle(p1, p2, p3)$ is 1 square units and
the area of $\triangle(p4, p5, p6)$ is 9 square units
- b. Point p3 is left to to the $\overrightarrow{p1p2}$
Point p4 is right to to the $\overrightarrow{p4p5}$
- c. a and b **do cross**
- d. a and b **do cross**