

Using coordinate Geometry

6.12B

1. a) Graph and label the triangle with vertices T(1,1), R(3,8) and I(6,4).
b) Determine whether $\triangle TRI$ is scalene, isosceles, or equilateral.

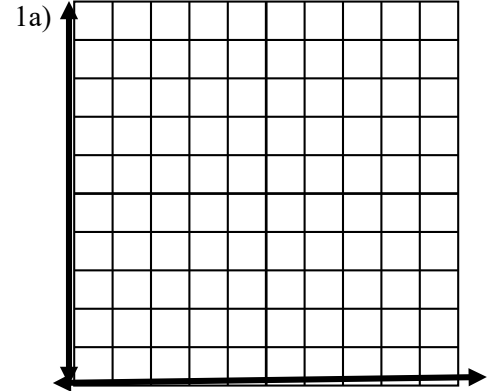
SHOW WORK AND JUSTIFY YOUR ANSWER.

TR =

RI =

IT =

$\triangle TRI$ is _____ because _____.



- c) Determine whether $\triangle PHS$ is a right triangle.

SHOW WORK AND JUSTIFY YOUR ANSWER.

Slope of \overline{TR} =

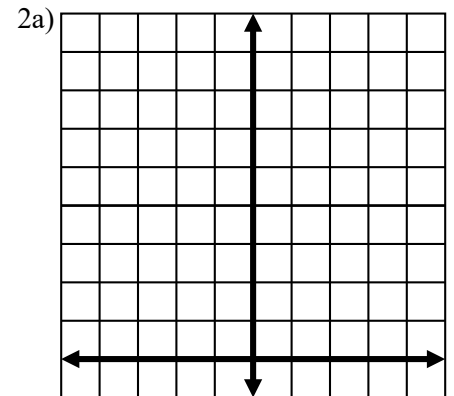
Slope of \overline{RI}

Slope of \overline{IT}

$\triangle TRI$ is _____ because _____.

2. a) Graph and label the triangle with vertices J(-5,0), K(5,8) and L(4,-1).
b) Determine whether $\triangle JKL$ is scalene, isosceles, or equilateral.

SHOW WORK AND JUSTIFY YOUR ANSWER.



- c) Determine whether $\triangle JKL$ is a right triangle.

SHOW WORK AND JUSTIFY YOUR ANSWER.