

Using coordinate Geometry

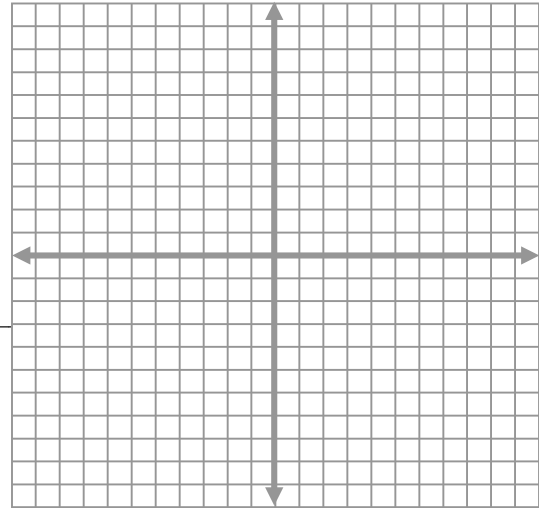
6.19

1. a) Graph and label the triangle with vertices H(1, -2), B(-1, 4) and F(5, 6).

b) Determine whether $\triangle HBF$ is scalene, isosceles, or equilateral.

SHOW WORK AND JUSTIFY YOUR ANSWER.

1a)



$\triangle HBF$ is _____ because _____

c) Determine whether $\triangle HBF$ is a right triangle.

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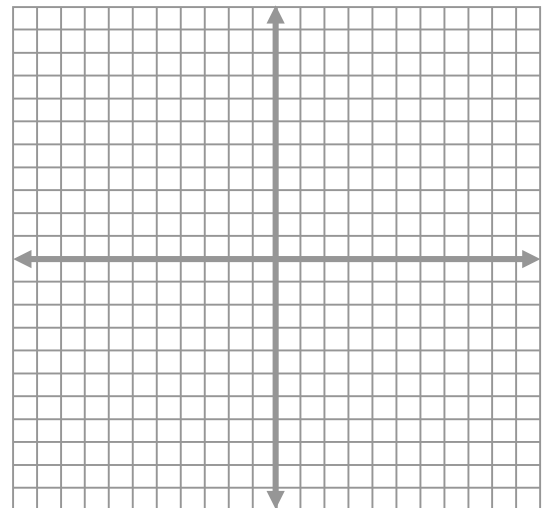
$\triangle HBF$ is _____ because _____.

2. a) Graph and label the quadrilateral with the given vertices: J(2,1), K(5,4), L(8,1), M(2,-3).

b) Then determine the most precise name for the quadrilateral.

2 a)

SHOW WORK AND JUSTIFY YOUR ANSWER.



b) _____