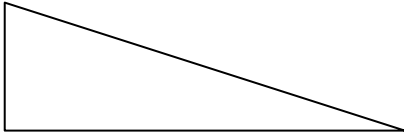


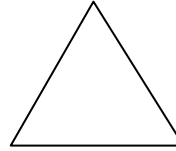
Triangles and the Coordinate Plane

Classify each of the following triangles by sides and angles.

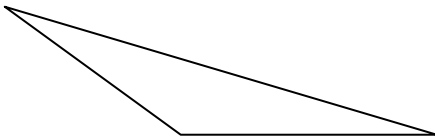
[1]



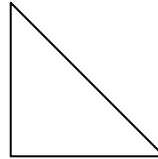
[3]



[2]



[4]



Use a separate coordinate plane to draw each of the following triangles. Be sure to label each point plotted with its coordinates.

[5] A scalene obtuse triangle.

[6] An isosceles acute triangle.

[7] A scalene right triangle, whose legs are in the ratio 2:1.

[8] A triangle with vertices at (5, -4), (-3, -4), and (0, 6). Determine the area of this triangle.

[9] A triangle with vertices at (-4, -4), (-4, 5), and (3, 5). Determine the area of this triangle.