Homework Assignment:

1) Quadrilateral ABCD A(7, -1) B(3, 6) C(-1, -1) D(3, -8)

Quadrilateral Type :

Verify:

Find the length of each diagonal.

Conclude:

2) Quadrilateral ABCD A(1, 1) B(-2, 4) C(-5, 1) D(-2, -2)

Quadrilateral Type:

Verify:

Find the slope of each diagonal.

Conclude:

3) Quadrilateral ABCD A(-1, -1) B(1, 2) C(6, -3) D(4, -6)

Quadrilateral Type :

Verify:

Find the midpoint of each diagonal.

Conclude:

Bonus:

Plot points A(-4, 6) B(8, 10) C(11, 1). Find point D that makes ABCD a rectangle. Verify that it’s a rectangle.