

## Polygons in the Coordinate Plane Assignment

Identify the polygon represented by the vertices in each question.

1.  $A(-1,1), B(-1,3), C(2,1)$

2.  $P(-4,4), B(-4,0), C(2,0), D(2,4)$

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3.  $A(0,0), B(-1,1), C(0, -2), D(1, -2), E(2, -1)$

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Classify the triangle represented by the vertices in each case.

1. Triangle with vertices  $A(0,0), B(1,4)$  and  $C(5,2)$ .

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2. Triangle with vertices  $A(-1,0), B(3,2)$  and  $C(1, -2)$ .

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3. Triangle with vertices  $P(-2, -1), Q(-5,2)$  and  $R(-2,5)$ .

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Classify the quadrilateral in each case. Justify your answer.

1.  $A(-5,1), B(-3,5), C(-3,1), D(-1,3)$

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# Polygons in the Coordinate Plane Assignment

2.  $A(-2,0), B(-3,-4), C(1,-8), D(2,-4)$

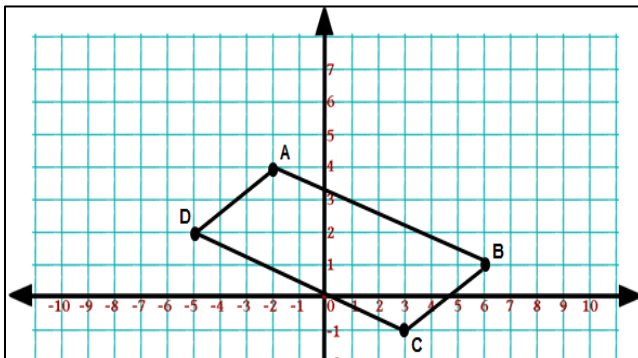
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3.  $P(-5,-3), Q(1,5), R(11,5), S(4,-3)$

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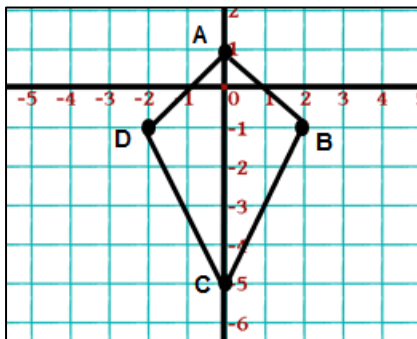
Identify the quadrilateral formed by joining the midpoints of the polygon shown in the figure.

1.



ABCD = \_\_\_\_\_

2.



ABCD = \_\_\_\_\_

Name: \_\_\_\_\_ Period: \_\_\_\_\_ Date: \_\_\_\_\_

# **Polygons in the Coordinate Plane** Assignment