

Unit 2 Review Week - Coordinate Geometry

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1) Some words to keep in mind:

Parallel -

median -

Perpendicular -

bisector -

Midsegment -

circle -

Scalene, isosceles and equilateral -

Rectangle, parallelogram, square and rhombus -

Find the midpoint of the line segment with the given endpoints.

2) $(3, 5)$, $(-2, 1)$

3) $(0, 9)$, $(5, -9)$

Given the midpoint and one endpoint of a line segment, find the other endpoint.

4) Endpoint: $(9, -10)$, midpoint: $(-2, 9)$

5) Endpoint: $(6, -6)$, midpoint: $(4, -2)$

Find the distance between each pair of points.

6) $(-5, 4), (-7, -6)$

7) $(-8, -8), (-4, 3)$

Find the slope of the line through each pair of points.

8) $(15, 4), (-8, 1)$

9) $(-12, 12), (-18, 17)$

10) Given the points $(9,2)$, $(-3,4)$ and $(-5,-3)$, determine if the triangle is scalene, isosceles or equilateral WITHOUT GRAPHING.