Brainstorm your answers to the following.

- 1. Given the coordinates of 3 points, how would you determine:
 - a. what type of triangle you have? (equilateral, isosceles, or scalene)
 - b. if it is a right triangle?
- 2. Given the coordinates of 4 points, what is sufficient information to determine if the object is a:
 - a. parallelogram?
 - b. rectangle?
 - c. rhombus?
 - d. square?

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Classifying Geometric Figures

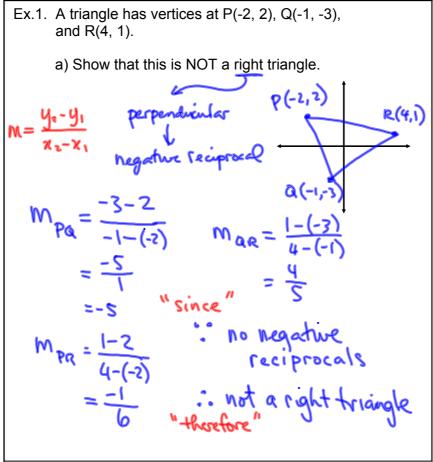
Oct 5/2011

We are going to analyze some geometric theorems. To do this, we will use the following tools:

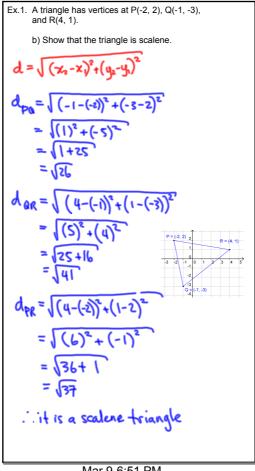
- slopes of parallel & perpendicular lines
- distance formula
- midpoint formula

NOTE:

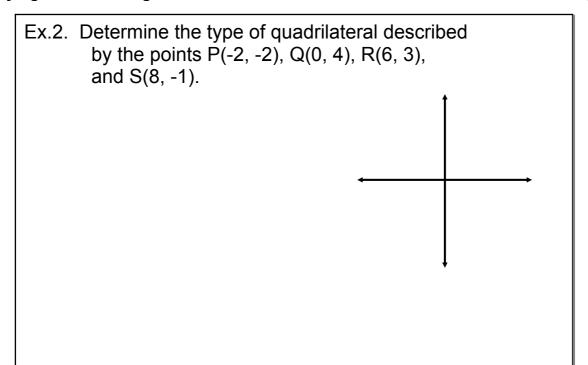
When solving a problem involving a geometric figure, it is a good idea to start by drawing a diagram on a coordinate grid.



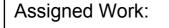
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