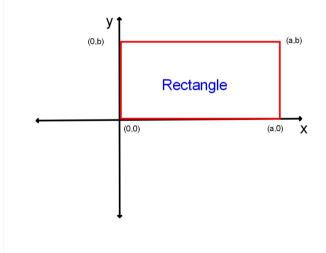
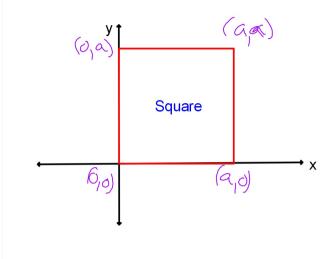


The previous page is an example of a coordinate proof which uses, slope, midpoint, and distance formulas to come to a conclusion.

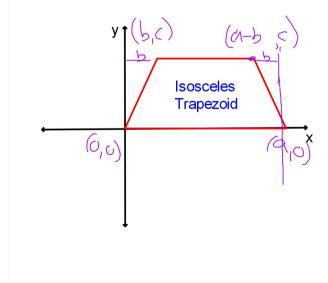




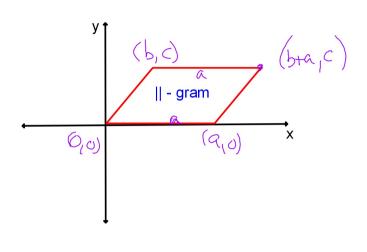
Use the fewest number of variables possible to label the coordinates of all four vertices.



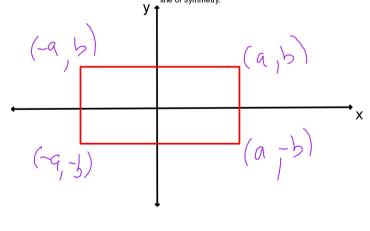
Use the fewest number of variables possible to label the coordinates of all four vertices.



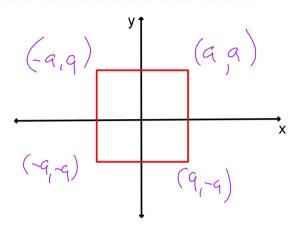
Use the fewest number of variables possible to label the coordinates of all four vertices.



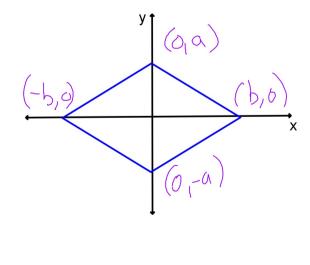
How else could you place the rectangle to make it easy to label the coordinates of the vertices with as few different variables as possible? Use the fact that a rectangle has both a horizontal and a vertical inle of symmetry.



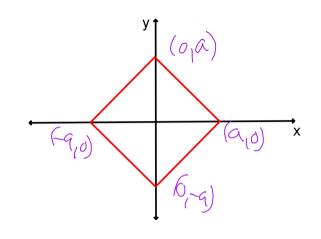
Use the symmetry in a square to place it in the coordinate plane so that the fewest number of variables is needed to label the coordinates of all the vertices.



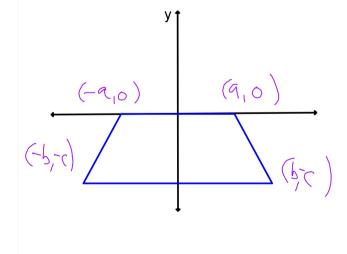
Use the symmetry in a rhombus to place it in the coordinate plane so that the fewest number of variables is needed to label the coordinates of all the vertices.



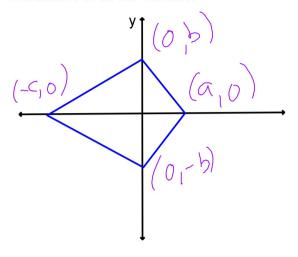
Use a different location of the square but still using symmetry.



Use the symmetry in a isosceles trapezoid to place it in the coordinate plane so that the fewest number of variables is needed to label the coordinates of all the vertices.



Use the symmetry in a kite to place it in the coordinate plane so that the fewest number of variables is needed to label the coordinates of all the vertices.



Try sketching a Rhombus so that it looks accurate.



How could you use the properties of the diagonals to sketch an accurate Rhombus?

Draw two perpendicular diagonals that bisect each other and connect the four endpoints.

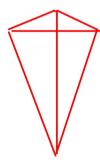
Hwk # 22

Sec 6-6

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Try sketching a Kite so that it looks accurate.



How could you use the properties of the diagonals to sketch an accurate Kite/

Draw perpendicular diagonals so that only one of them is bisected then connect the four endpoints.