

Name:

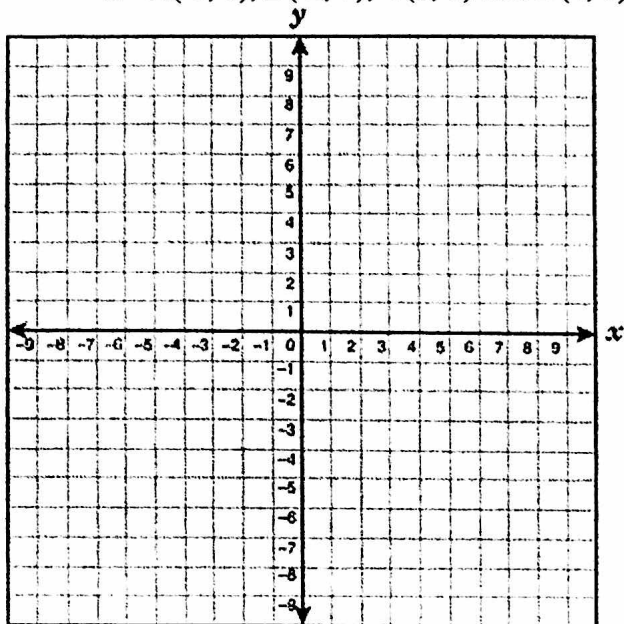
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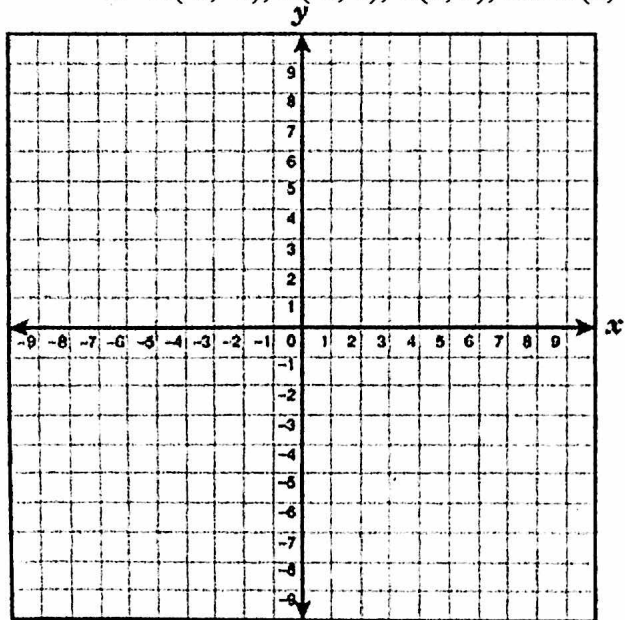
HW #7-10

1. Find the most specific name for each figure ABCD. (each is at least a parallelogram...) Begin with a sketch and show all work and conclusions. Use diagonals to determine if the figure is or is not a rectangle or rhombus.

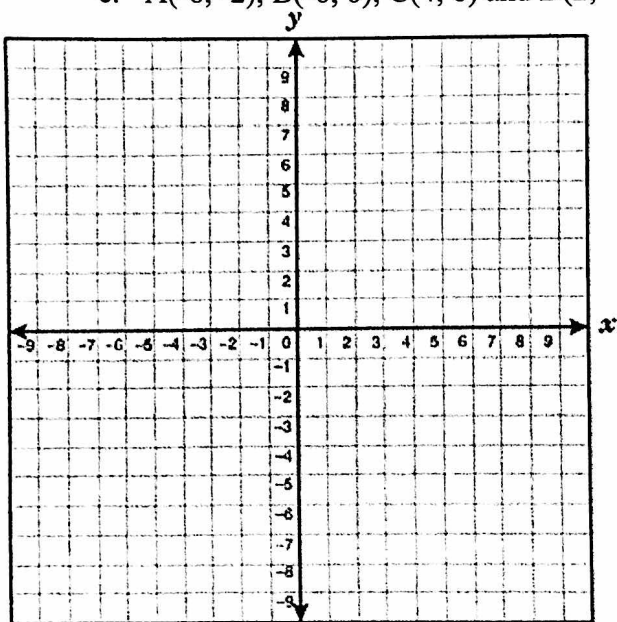
- a. $A(-3, 0)$, $B(-2, 7)$, $C(5, 8)$ and $D(4, 1)$



- b. $A(-3, -2)$, $B(-1, 3)$, $C(5, 0)$, and $D(3, -5)$



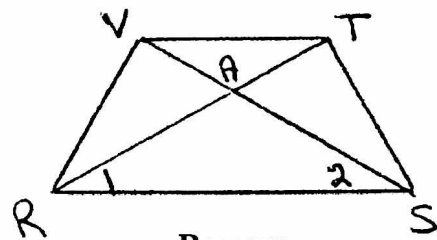
c. A(-8, -2), B(-6, 8), C(4, 6) and D(2, -4)



2. Write a two-column proof.

Given: $VRST$ is an isosceles trapezoid with legs $\overline{VR}$ and $\overline{TS}$

Prove: $\triangle ARS$ is isosceles



Statements

Reasons

*also review constructions! *