

Prove Theorems

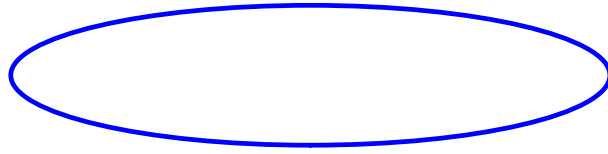
8.3- parallelogram then opposite sides congruent

8.9- opp. sides parallel and congruent then parallelogram.

8.11 - parallelogram diagonals are perp.
then rhombus

8.13- rectangle then diagonals are congruent

Definitions of Quads.... know the hierarchy.



What more do I need to know to make the quad a....

Graph and tell what type of shape:

$$y = 3x + 1 \qquad y = -\frac{1}{3}x + 1$$

$$y = 3x - 2 \qquad y = -\frac{1}{3}x - 2$$

P(-1,1), Q(-5,1), R(-3,4), S(-3,-2)

quad ABCD, AB=10, CD=10, BC=10,
AD=10, slope AB=1/2, slope BC=-3,
slope CD=1/2, slope AD=-3

Sometimes, never, always statements.

A square is a rectangle.

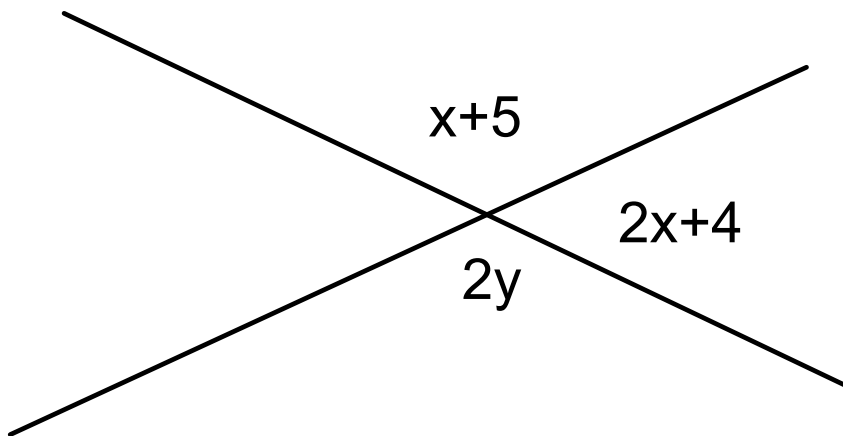
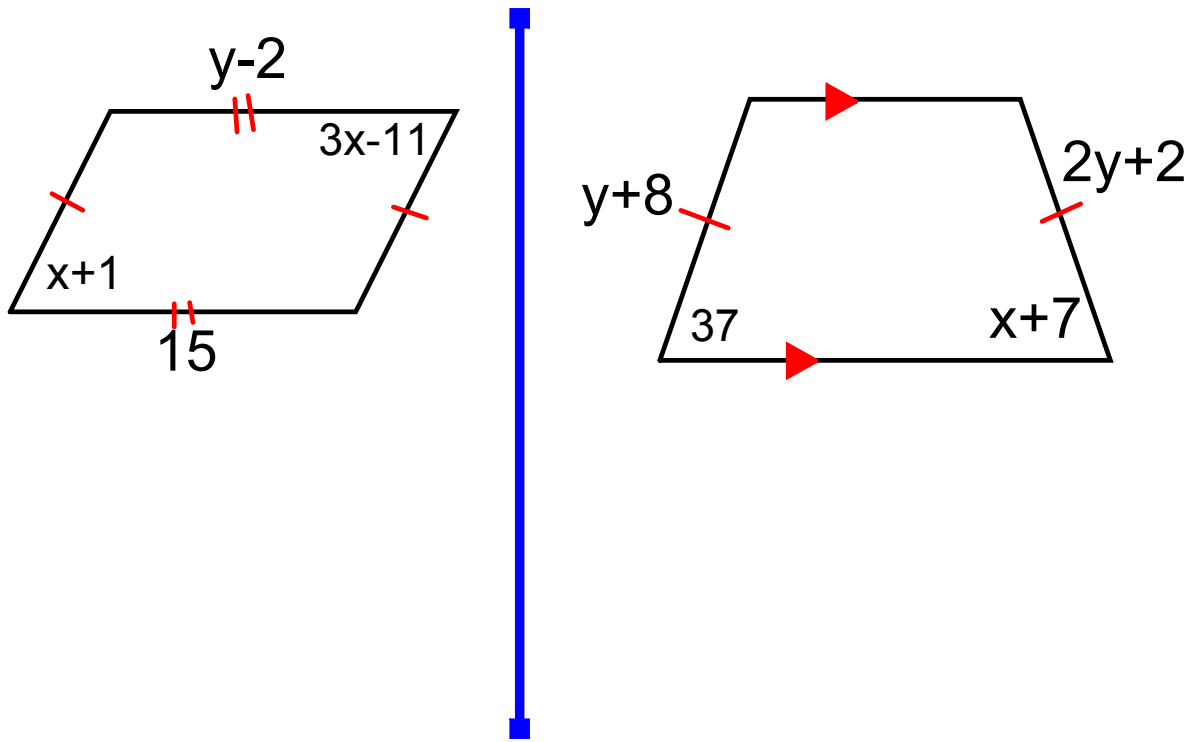
diagonals of a quad bisect each other.

all sides are congruent in a trapezoid.

four sides in a rhombus are congruent.

opposite angles in a quad are congruent.

- KNOW THE MATRIX INSIDE AND OUT!!!



Describe the picture with notation

