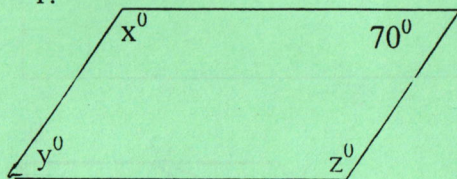


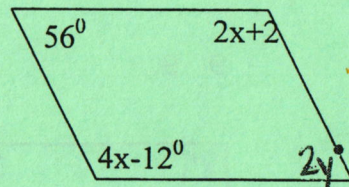
Parallelogram Angles

Each of the following shapes is a parallelogram. Solve for the missing variables.

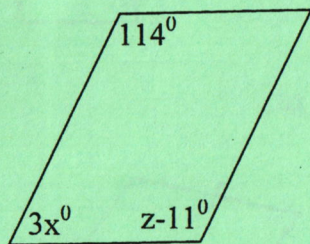
1.



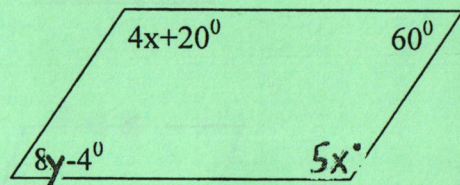
2.



3.



4.



NAME

2011

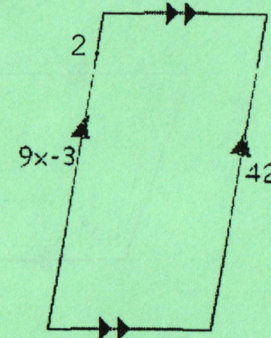
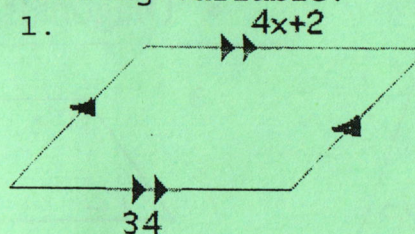
GEOMETRY

Parallelograms

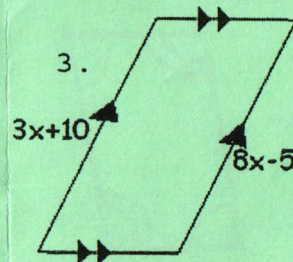
Sides:

For each of the following problems solve for the missing variable:

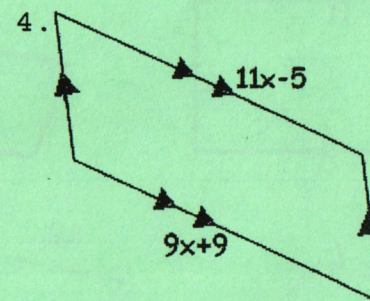
1.



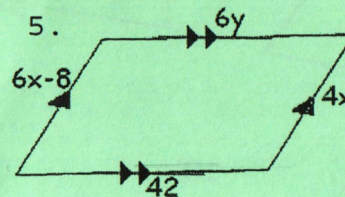
3.



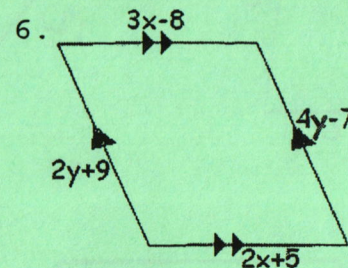
4.



5.



6.



For each of the quadrilaterals show, decide if it is a parallelogram. If it is, give the appropriate reason.

REASONS a QUADRILATERAL must be a PARALLELOGRAM:

- Opposite sides are congruent,
- Opposite angles are congruent,
- Consecutive angles are supplementary,
- Diagonals bisect each other.

