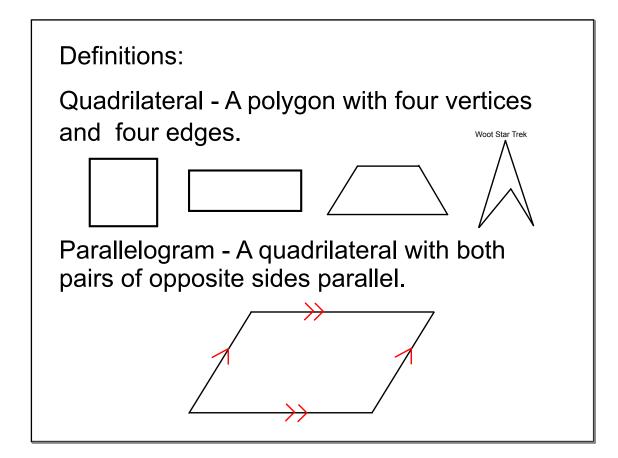
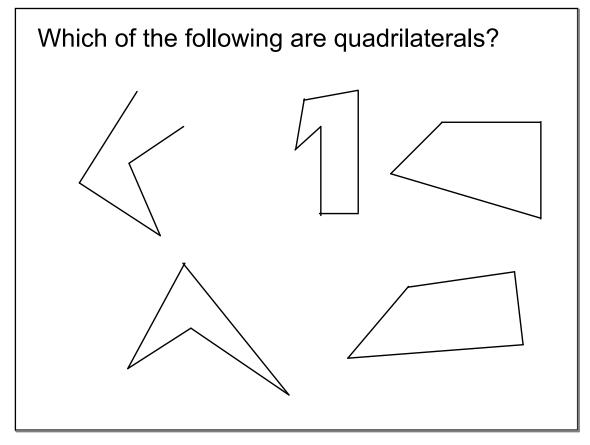


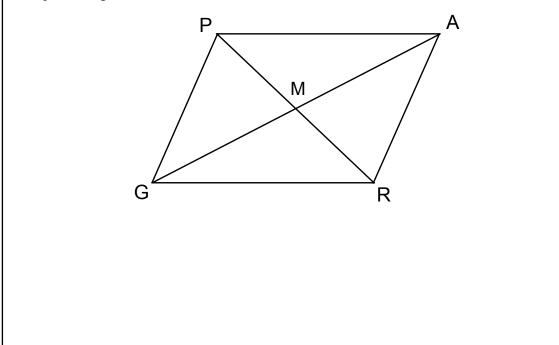
Notes: Pages 495-499





## P. 497 Q. 3

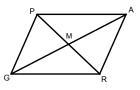
To prove opposite sides of a parallelogram *P* are congruent, which triangles would you prove congruent?

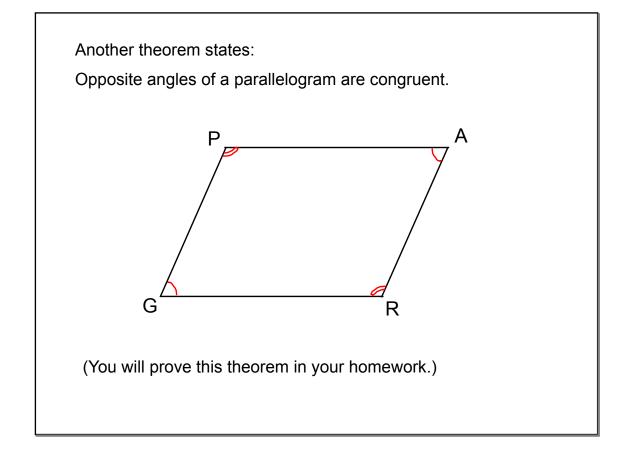


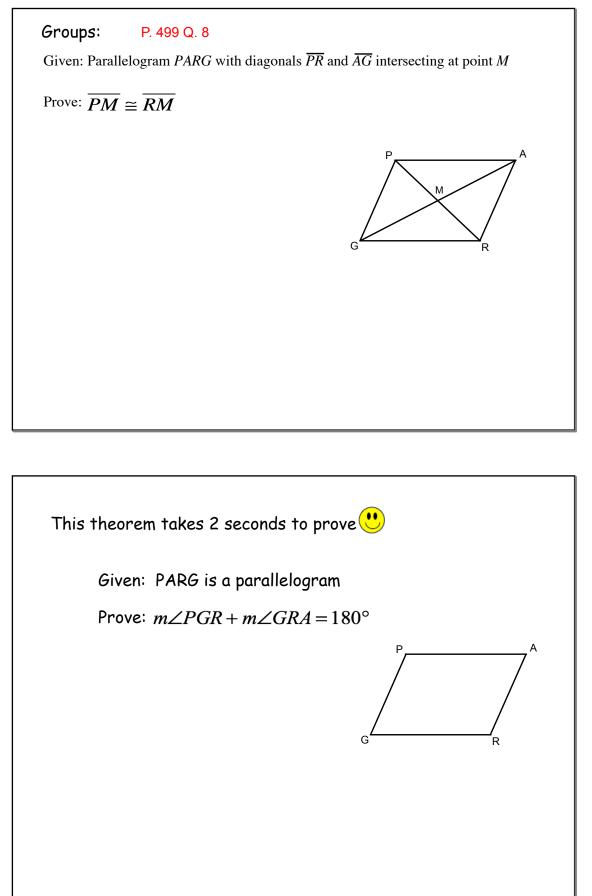
## P. 497 Q. 4

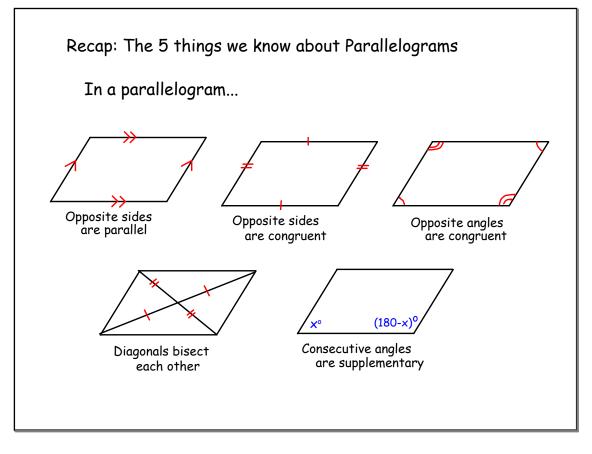
Use  $\triangle PGR$  and  $\triangle RAP$  in the parallelogram from Question 3 to prove that opposite sides of a parallelogram are congruent. Prove the statement  $\overline{PG} \cong \overline{AR}$  and  $\overline{GR} \cong \overline{PA}$ .

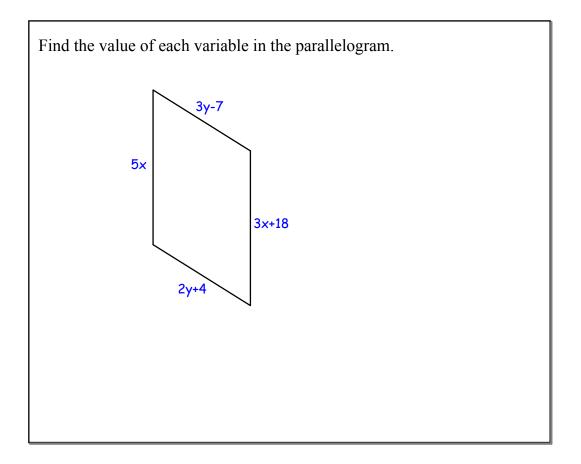
Given: Parallelogram PARG with diagonals  $\overline{PR}$  and  $\overline{AG}$  intersecting at point MProve:  $\overline{PG} \cong \overline{AR}$  and  $\overline{GR} \cong \overline{PA}$ 

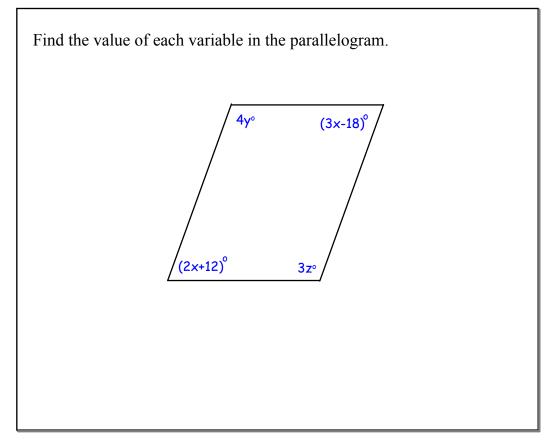












## P. 499 Q. 9

Ray told his math teacher that he thinks a quadrilateral is a parallelogram if only one pair of opposite sides is known to be both congruent and parallel .

Is Ray Correct? Prove or disprove.

