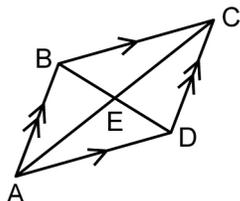
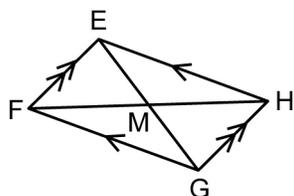


Section 3.3 Practice Master

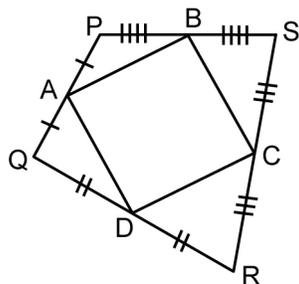
1. a) Which line segments inside parallelogram ABCD are equal in length?



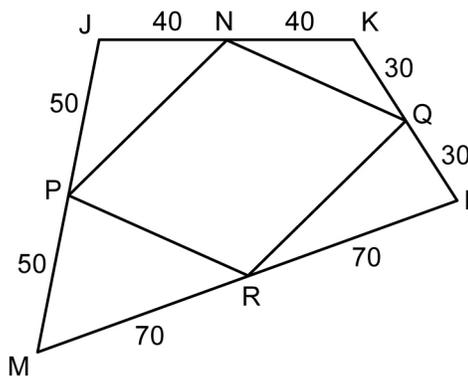
- b) Which line segments inside parallelogram EFGH are equal in length?



2. a) Which line segments inside quadrilateral PQRS are parallel?
 b) Which line segments inside quadrilateral PQRS are equal in length?



3. Which line segments inside quadrilateral JKLM are parallel?



4. Fold a drawing of a rectangle to investigate the properties of its diagonals. Describe your findings.

5. Verify that the diagonals of a square bisect each other at right angles and are equal in length. Explain your reasoning.

6. a) Verify that the diagonals of a parallelogram bisect each other. Explain your reasoning.
 b) Verify that the diagonals of a rectangle are equal in length. Explain your reasoning.
 c) Verify that the diagonals of a kite are perpendicular and that one of the diagonals bisects the other diagonal. Explain your reasoning.