**SQUARE PUZZLE**

Name:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Date:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_Period:\_\_\_\_

Find the measure of each angle inside the large square below. Remember that you may use what you know about two parallel lines cut by a transversal as well as what you know about squares, triangles, vertical angles, complementary angles, and supplementary angles. Give reasons for each measure that you find. Do NOT use a protractor.

400

 L

A K

 B M

 N

C

 D

E

F

 I J

G H

1180

810

120