Analyze a Street Map

Look at this section of a map of Washington, D.C. It shows examples of polygons.

1. There are two sets of parallel streets. What is the system used for naming them?

2. rectangle __________________________

3. trapezoid __________________________

4. triangle __________________________

5. Which location shown on the map is not a polygon? __________________________

6. Suppose you are taking a walk. Follow the directions. Outline the path you will make on the map.
   a. Start walking south from the corner of M Street and 23rd Street.
   b. Turn west on L Street.
   c. Go south on 24th Street.
   d. Turn northwest on Pennsylvania Avenue.
   e. Turn north onto 25th Street.
   f. Go east on M Street until you return to your starting point.

   What irregular polygon is outlined by the path you traveled? __________________________

7. Connect It Draw the block formed by K and L streets and 24th and 25th streets. Then draw the diagonal. Which line or lines do you think are the longest? Explain your reasoning. Show your work on a separate sheet of paper.
Analyze a Street Map

Look at this section of a map of Washington, D.C. It shows examples of polygons.

1. There are two sets of parallel streets. What is the system used for naming them?

   **One set of parallel streets is named with letters, the other is named with numbers.**

Use the map to find one example of each polygon. List the streets that form the sides of the polygon.

2. **rectangle**  
   H St., 21st St., I St., and 22nd St.

3. **trapezoid**  
   20th St., Pennsylvania Ave., 21st St., and New Hampshire Ave.

4. **triangle**  
   K St., 20th St., and Pennsylvania Ave.

5. Which location shown on the map is *not* a polygon?  
   **Washington Circle**

6. Suppose you are taking a walk. Follow the directions. Outline the path you will make on the map.
   a. Start walking south from the corner of M Street and 23rd Street.
   b. Turn west on L Street.
   c. Go south on 24th Street.
   d. Turn northwest on Pennsylvania Avenue.
   e. Turn north onto 25th Street.
   f. Go east on M Street until you return to your starting point.

   What irregular polygon is outlined by the path you traveled?  
   **Hexagon**

7. **Connect It**  
   Draw the block formed by K and L streets and 24th and 25th streets. Then draw the diagonal. Which line or lines do you think are the longest? Explain your reasoning. Show your work on a separate sheet of paper.

   **Answers and drawings may vary. Check students’ work.**