**Lesson 8.3b Homework Practice**

***Distance on the Coordinate Plane Real-Life/Geometry Connections***

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| Use the diagram below to answer questions 1. A triangular-shaped forest preserve is formed by roads *AB*, *BC*, and *CA* as shown on the map.  8_MTXEDI066328_345T | 1.) Find its perimeter using the distance formula. The distances are in kilometers. |
| 2.) Find the perimeter of the triangle | 3.) Find the area of the square below  CCSS_C3_Ch6_L3_Skills4.jpg |
| **4.**  **GEOMETRY** The coordinates of points *A*, *B*, and *C* are (5, 4), (–2, 1), and (4, –4), respectively. Which point, *B* or *C*, is closer to point *A*? | **5.**  **THEME PARK** Bryce is looking at a map of a theme park. The map is laid out in a coordinate system. Bryce is at (2, 3). The roller coaster is at (7, 8), and the water ride is at (9, 1). Is Bryce closer to the roller coaster or the water ride? |