

## GOOGLE EARTH SPEED PROBLEMS

**Directions:** Use Google Earth (utilize placemark and ruler tools) to solve the following problems. Clearly write out your ENTIRE process, including proper equations and unit conversions. Your final answer with correct units should be placed in a box.

1. Calculate the average speed (in  $\text{m/s}$ ) of a flying crow. It flies in a straight line from your house to Skyline High School in 8.0 min.
2. If you walk from Skyline High School down 228<sup>th</sup> Ave NE to the corner of 228<sup>th</sup> Ave NE and NE 8<sup>th</sup> St with an average speed of  $6.0 \text{ m/s}$ , how long will it take you to walk there?
3. You drive to Bellingham to visit WWU. What will be your average speed on Interstate 5 if it takes you 70. minutes to drive there?
4. You cycle the Burke-Gilman trail from Lake Forest Park to the University of Washington. How long will it take if you average a speed of 15 mi/hr?