Curiosity Rover and Computer Science Questions

As you look at videos, images, and simulation consider the questions below.

1. What is the mission of the Mars Science Laboratory and the Curiosity rover?
2. Who controls the rover and how is it controlled?
3. What is an algorithm?
4. How can computer science aid NASA with exploring Mars?
5. Why is there usually a difference between simulations and real occurrences, and what can be done to reduce the difference?