Research one of the following current robotic platforms and answer the questions below.

*Your submitted assignment must be typed, single spaced, and a minimum of 2 pages. Figures and tables are permitted, where applicable.

- DARPA BigDog Robot
- DARPA Crusher Robot
- HiBot Amphibious Snake Robot
- NASA/JPL Spirit/Opportunity Rover
- NASA/JPL Curiosity Rover
- What is this robot's purpose?
- What sensors does this robot use?
- What perception methods / algorithms does it have to model the world it is sensing? (i.e. "this robot has a camera and uses facial recognition software to perceive faces in the world around it ...")
- What makes this robot mobile (does it have legs, wheels, or other means of motion)?
- How is this robot powered? What power constraints does this robot have? Can it run for a couple of minutes? For a couple of hours? For a couple of days?
- By the definition outlined in class, is this robot a "true" robot? (i.e. is it autonomous?). If so, describe how it achieves the three qualities of a robot discussed in class.