Name: _____

Artificial Intelligence

1. Can computers think? Support your position with examples. To make a solid argument, you will need to define what thought is.

2. Can computers have emotions? Support your position with examples. To make a solid argument, you will need to define what emotion is.

3. Who was Alan Turing? When was he born? What were his specialities?

4. Look up and describe the Turing test. Do you think it is a valid assessment of whether a computer can think? Why or why not?

5. The Loebner prize is awarded each year to a program that has the most human-like conversation with judges. The 2009 winner's transcript is available at http://www.worldsbestchatbot.com/Competition_Transcripts -- write down three things that are not very human about what the computer said.

6. Talk to the Hal chatbot at http://www.zabaware.com/webhal/webhal.php and the Jabberwacky chatbot at http://www.jabberwacky.com/

7. Describe how you think Hal and Jabberwacky work. Be as detailed as you can.

8. Play 20 questions with the computer at http://www.20q.net/ What did you ask it to guess? Did it guess it? Does this seem intelligent to you?

9. Describe how you think the 20 question game works. Be as detailed as you can.