Name:



Class:

Date:

**Teaching Morality to Self-Driving Cars**

*STEP 5: ANSWER the multiple choice and short response questions*

**1.For the first scenario presented in the thought experiment video, what would you do?** **Select one answer and explain why.**

 *a. Go straight and hit the object that fell off the truck*

 *Why:*

 *b. Swerve left and hit the SUV*

 *Why:*

 *c. Swerve right and hit the motorcycle*

 *Why:*

**2. In the thought experiment video, all of the following were outlined as expected consequences of self-driving cars EXCEPT:**

 *a. Dramatically reduced traffic accidents and fatalities*

 *b. Eased road congestion*

 *c. Decreased harmful emissions*

 *d. Minimized unproductive and stressful driving time*

 *e. More dangerous road conditions*

**3. Is a random decision still better than a predetermined decision designed to minimize harm? Select one answer and explain why.**

 *a. Yes*

 *Why:*

 *b. No*

 *Why:*

**4. In the article from Step 3, "How to Help Self-Driving Cars Make Ethical Decisions," Stanford Professor, Chris Gerdes, and Cal Poly Professor, Patrick Lin, organized a workshop to bring                    and                    together.**

 *a. Engineers; politicians*

 *b. Engineers; economists*

 *c. Politicians; corporate executives*

 *d. Engineers; philosophers*

**5. According to Bryant Walker-Smith's statement in the article from Step 3, "How to Help Self-Driving Cars Make Ethical Decisions," what is the biggest ethical question involving self-driving cars?**

 *a. How quickly can we move given the technology's potential to save many lives?*

 *b. How can we create the technology with very few or no imperfections?*

 *c. Who determines the programming of the technology?*

 *d. How can we best engage the public in the conversation?*

**6. a. According to your results from the Moral Machine exercise, which metric were you most similar to others? (i.e. Saving More Lives, Protecting Passengers)**

 *Metric:*

**b. In which metric did you differ the most compared to others?**

 *Metric:*

**c. Do either of these results surprise you?**

**7. With MIT's Moral Machine exercise representing one way to assist engineers in "teaching" or programming morality into self-driving cars, what could be another way?**

**8. Is it morally acceptable to teach machines morality? Explain your answer.**