**Summative Assessment**

**Question 1:**

In a sample population of 50 people, 32 of them are sick with an infectious disease. How many people in the total population of 28,000 would you expect to be infected?

**Question 2:**

You are developing a solution to the problem of delivering a cure to people who are highly contagious. After you try a method out and are unsuccessful what part of the engineering design process would you move on to and why?

**Question 3:**

If the percent accuracy of a cure delivery method is 85% and the rate of success for a vaccine is 75%, what is the expected percent of people saved by this combination of cure and delivery?

**Question 4:**

Describe the skills necessary to work successfully in a group to develop a tool. Why are those skills important? Include at least two examples from your work in this unit.