Winter Deer Survival:

Section 1:

1. The median survival rate for the deer during winter would be about 2 years.
2. The mean or the average age of the deer that survived during the winter severity is about 3 years.
3. The hazard, h(t), is the estimated instantaneous risk of death as a function of deer age. The function graph is a U-shaped curve with an elevated risk of mortality at 0.6 years old, which later declines progressively until 5 years old, then increases steadily with the highest age specific risk of death of deer that are greater than 10 years old.

Section 2:

1. The median survival rate for the winter severity rate of 0 would be 3 years.
2. The mean survival rate for the winter severity rate of 0 would be about 4 years.
3. The median survival rate for the winter severity rate of 50 would be about 1.5 years.
4. The mean survival rate for the winter severity rate for 50 would be about 2 years.
5. The median value for the white-tailed deer decreases between the winter severity of 50 and 0. This means that not many deer make it through the winter severity of 50. Therefore, we can conclude that survival was negatively associated with winter severity, and so winter severity is playing a key role in the deer mortality.