Hunger Games – Final Challenge stop #2

(Adopted from BEHS’ Hunger Games)

1. Katniss and Peeta are transported to the Capitol by train – a journey which takes approximately 18 hours. What was the average speed of the train (in miles per hour) for the 1550 mile trip?
2. Katniss and Gale are hunting in the woods when they spot a Jabberjay approximately 8 ft. up in a tree. Katniss quickly shoots the Jabberjay with an arrow. If Katniss and Gale are 25 ft. from the tree, how far does the arrow travel before striking the Jabberjay?
3. Katniss’ name is entered into the reaping ball once for every year she has been eligible for the Hunger Games (age 12) as well as once for every time she has taken tesserae (and all entries are cumulative). At 16 years old, Katniss has 20 entries in the reaping ball. How many entries did Katniss have in the year that she was 14 years old?
4. Katniss can sell 30 strawberries for $8.25. A loaf of bread from the bakery costs $5.50. If Katniss collects and sells 137 strawberries, how many loaves of bread will she be able to afford for her family?
5. In the Hunger Games, Katniss kills Glimmer, the girl from District 4, Marvel, and Cato. What percentage of the total deaths is Katniss responsible for?

Question 2 alternate: Katniss and Gale are hunting in the woods when they spot a Jabberjay approximately 8ft. up in a tree. Katniss quickly shoots the Jabberjay with an arrow. If Katniss and Gale are 25 ft. from the tree at what angle of elevation did Katniss shoot her arrow?