**Apply data analysis techniques in order to answer each of the questions below, justifying the steps you have followed and the limitations (if any) of your analysis. If a question cannot be answered explain why.**

Is the score mean different for children with autism and children without autism using a significance value of 0.05?

**Score mean for children with autism:** 4.510596

**Score mean for children without autism:** 8.411348

Answer: Yes

Is there a difference of at least 1 in mean scores between children with a family history of autism and those without a family history of autism?

**Score mean for children with family history of autism:** 5.979592

**Score mean for children without family history of autism:** 6.477778

Answer: No

What is the predicted value of the alternative score (score2) for a child with a standard score of 7?

Answer: 7.060663

What is the predicted value of the alternative score (score2) for a child with a standard score of 12?

Answer: 11.139470