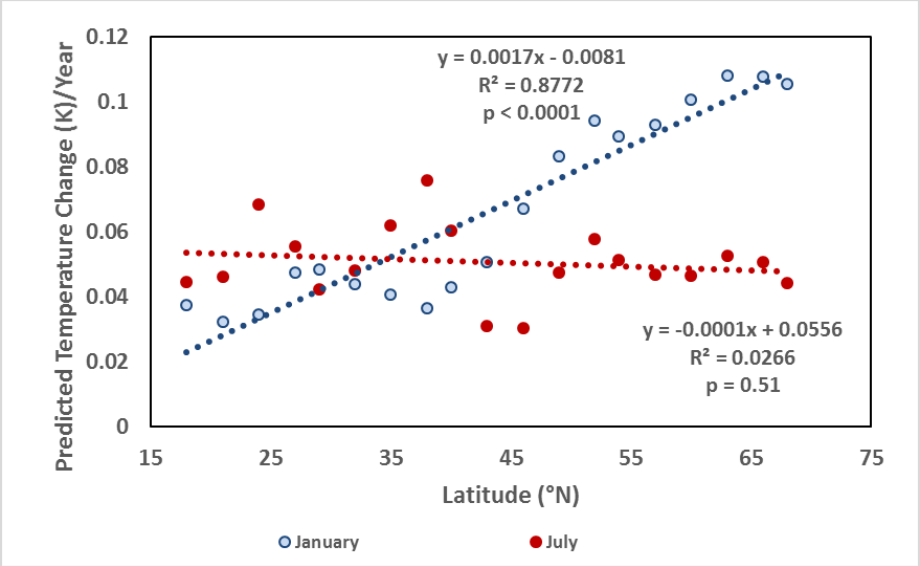
1. This graph shows the predictions made by a climate change model. Which of the following conclusions does this graph support?



   a. Temperature is not predicted to increase in the summer regardless of latitude.
   b. At low latitudes, temperatures are predicted to increase more in the winter than in the summer.
   c. At low latitudes, average temperatures will decrease in the winter and increase in the summer.
   d. Winter temperatures will increase more at high latitudes than low latitudes.
   e. All of the above

2. When interpreting the graph in the previous question you can use the equation of the line, the R^2 value, and the *p*-value to tell you all of the following EXCEPT: (Which one of these statements is NOT correct?)
   a. The latitude explains 87.7% of the predicted change in temperature each year for the January projections.
   b. In July, the temperature is expected to increase 0.0266 degrees K each year, regardless of latitude.
   c. The slope of the line for the July regression is not significantly different from zero.
   d. In January, the temperature is expected to increase 0.0017 degrees K more each year for each degree of latitude north.
   e. The slope of the line for the January regression is significantly different from zero.