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| Investigation 5 23.  $128\ 720$  of  $360 = 64$  degrees. 24.  $238\ 1250$  of  $360 = 69$  degrees (approx.) 25. a. Doubles the mean of the scores. The new mean is  $\frac{2}{3}$  of the mean of the scores. The new mean is 0.2 times the

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illustrates the danger of using a data-based model to make predictions far beyond the data on

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... This illustrates that mathematical models, or in this case a line of best fit, can not be trusted to continue to model the data well when we stray too far from the given data. ... How do the answers for part (d) show that the ...

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during an annual meeting of the AAAS was irresistible. In order to try to maintain the integrity of the original intent of the symposium, it was entitled, "Contributions of Mathematical Models to Biological Discovery". This symposium was organized by Daniel Solomon and

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