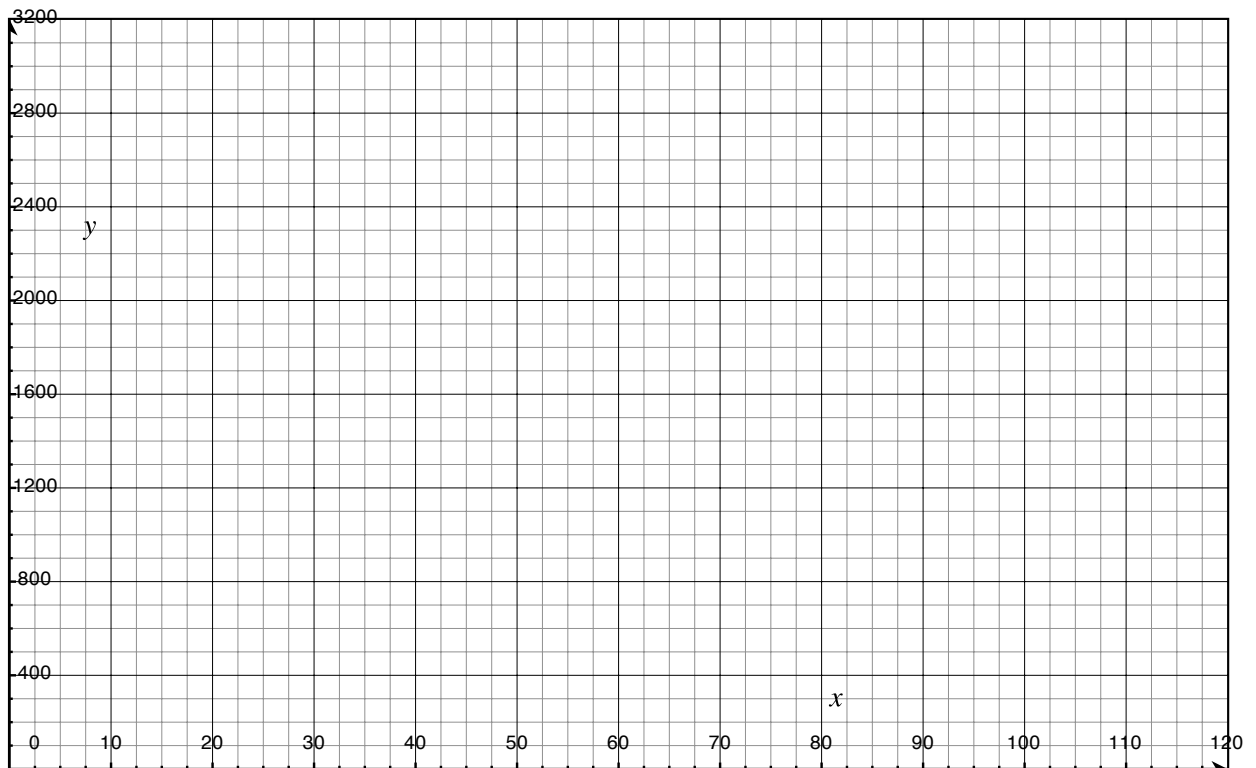


Lynx in the Yukon

4. Graph your equation below. For these axes I chose to start with $t = 0$ in the year 1821.



5. How does your model fit with the actual data? Plot the actual numbers for every tenth year (1821, 1831, etc.) on your graph above. Compare the following:
- (a) the period:
 - (b) the amplitude:
 - (c) the shape:
6. If you were an ecologist studying arctic populations, would you evaluate your sinusoidal model as good enough or not?