Butterfly Population Trend Analysis - Practice Worksheet

Instructions: Analyze the data in the table below. For each region (A-D), determine the type of trend observed between temperature and butterfly population. Choose from: positive linear, negative linear, parabolic, or no observable trend.

Temperature (°C)	Region A	Region B	Region C	Region D
20	11	30	16	23
22	12	26	22	35
24	17	23	23	32
26	19	20	25	33
28	23	17	25	21
30	24	16	22	31
32	27	12	17	23

Questions:

1. Which region shows a positive linear trend?

2. Which region displays a negative linear trend?

3. Which region follows a parabolic trend?

4. Which region has no observable trend?

5. Suggest a possible environmental explanation for why Region C shows that trend.