**SCATTERPLOTS**

1. Plot the data for the cities on the graph (Latitude, Temperature).

2. Draw a “line of best fit”. Follow the data and draw a line that “splits” the data into equal pieces.

3. Find two points on YOUR line. Do not use any of the graphed points. Try to find where the line crosses an intersection point on the x and y grid. If you don’t have two intersection points, pick a point where your line crosses either an x or y line. Estimate the other half of the coordinate.

4. Write down the coordinates of your points.

5. Using your points, find the slope of the line.

6. Using your slope and one point, find the equation for your line.

7. Check for accuracy by checking the y-intercept. Is it reasonable? If so, then it is right.

8. Using your equation, answer questions 3 and 4 on the back of the sheet.

**Assignment:**