Scatterplot Data Sheets

Enter the data from the calculator.

$y = ax + b$

a = _____

b = _____

c = _____

r^2 = _____

r = _____

The 'r' value is called the correlation coefficient. It is a number between -1 and 1, so it is always a decimal. However, the closer the number is to 1, the better the coordinates line up. For example, if the 'r' value is 0.9899, the coordinates line up really well.

In this activity, the correlation coefficient tells us our music compatibility with our partner. The higher the 'r' value, the more likely you and your partner will have similar tastes in music.

1. Based on the 'r' value only, do you think you and your partner have similar tastes in music? Why or why not?

    _____

    _____

    _____