The Cauchy-Schwartz Inequality A joined up approach teaching and learn mathemat

•	Give the expression we would to express the correlation between a random variable Z and a random
	variable X . Explain the role of the third random variable Y in your expression.

ullet Complete the following sentence: If Z=X the random variables X and Z are ...

• Complete the following sentence: If Z = -X the random variables X and Z are ...

• Reproduce the proof of the Cauchy-Schwartz Inequality in full.